

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| SUBMISSION TYPE:                                                                                                                                                                                                      | NEW ASSIGNMENT                      |
| NATURE OF CONVEYANCE:                                                                                                                                                                                                 | ASSIGNMENT                          |
| CONVEYING PARTY DATA                                                                                                                                                                                                  |                                     |
| Name                                                                                                                                                                                                                  | Execution Date                      |
| Veutron Corporation                                                                                                                                                                                                   | 07/06/2005                          |
| RECEIVING PARTY DATA                                                                                                                                                                                                  |                                     |
| Name:                                                                                                                                                                                                                 | Transpacific IP, Ltd.               |
| Street Address:                                                                                                                                                                                                       | 14Fl., No. 168, Tun Hwa Road        |
| City:                                                                                                                                                                                                                 | Taipei                              |
| State/Country:                                                                                                                                                                                                        | TAIWAN                              |
| PROPERTY NUMBERS Total: 2                                                                                                                                                                                             |                                     |
| Property Type                                                                                                                                                                                                         | Number                              |
| Application Number:                                                                                                                                                                                                   | 11331747                            |
| Application Number:                                                                                                                                                                                                   | 11468747                            |
| CORRESPONDENCE DATA                                                                                                                                                                                                   |                                     |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                               | 112.P14201C, C2                     |
| NAME OF SUBMITTER:                                                                                                                                                                                                    | Julianne Flynn                      |
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*Exhibit B*

**ASSIGNMENT OF PATENT RIGHTS**

1. For good and valuable consideration, the receipt of which is hereby acknowledged, Veutron Corporation, a company organized and existing under the laws of the Republic of China having offices at No.1-1, R&D Rd. 2, Science-based Industrial Park, Hsinchu, Taiwan, R.O.C. ("*Assignor*"), does hereby sell, assign, transfer and convey unto Transpacific IP, Ltd., a company organized and existing under the laws of the Republic of China with its office as at 14Fl., No. 168, Tun Hwa N. Road, Taipei, Taiwan, R.O.C. ("*Assignee*") or its designees, all of Assignor's right, title and interest in and to the patent applications and patents listed in *Attachment I*, any patents, registrations, or certificates of invention issuing on any patent applications listed below, the inventions disclosed in any of the foregoing, any and all counterpart United States, international and foreign patents, applications and certificates of invention based upon or covering any portion of the foregoing, and all reissues, re-examinations, divisionals, renewals, extensions, provisionals, continuations, and continuations-in-part of any of the foregoing (collectively "*Patent Rights*").
2. Assignor represents, warrants and covenants that: (i) it is the sole owner, assignee and holder of record title to the Patent Rights identified above, (ii) it has obtained and properly recorded previously executed assignments for all patent applications and patents identified above as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction, (iii) it has full power and authority and has obtained all relevant consents and authorizations to make the present assignment; and (iv) none of the Patent Rights have been or are currently involved in any reexamination, reissue, interference proceeding, invalidation proceedings or any similar proceeding and that no such proceedings are pending or threatened. Assignor shall indemnify and hold harmless Assignee for any breach of the foregoing.
3. Assignor further agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights, title and interest it has: (i) in and to the Patents, including without limitation, all rights of Assignor to collect royalties under such Patents; (ii) in and to all causes of action and enforcement rights, whether currently pending, filed, or otherwise, for the Patents, including without limitation all rights to pursue damages, injunctive relief and other remedies for past, current and future infringement of the Patents.
4. Assignor will, at the reasonable request of Assignee, execute and deliver such other instruments and do and perform such other acts and things as may be necessary or desirable for effecting completely assignment of Patents, including without limitation execution, acknowledgment and recordation of other such papers, and using best efforts to obtain the same from the respective inventors, as necessary or desirable for fully perfecting and conveying unto Assignee the benefit of the assignment of Patents contemplated hereby.
5. The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Taipei, Taiwan on  
July 6, 2005.

ASSIGNOR  
VEUTRON CORPORATION

By: Edmond Hsu  
Name: EDMOND HSU  
Title: PRESIDENT

**Attachment 1**

| Patent No. | Application No. | Title                                                                                                                   | Country | Filing Date | Asset Category |
|------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 6771408    |                 | Optical lens device of image scanner                                                                                    | US      | 12/19/2002  | A              |
| 6765615    |                 | Apparatus for reducing exposing time of an image processing system                                                      | US      | 11/15/1999  | A              |
| 6703604    |                 | Scanning method for detecting documents                                                                                 | US      | 11/9/2001   | A              |
| 6703597    |                 | Method for resolving photoelectron coupling in staggered charge-coupled device                                          | US      | 12/4/2001   | A              |
| 6697182    |                 | Optical system of a scan device                                                                                         | US      | 12/11/2002  | A              |
| 6693730    |                 | Increasing scanning resolution through driving system control                                                           | US      | 3/3/2000    | A              |
| 6687027    |                 | Parallel driving mechanism for optical chassis                                                                          | US      | 10/26/2000  | A              |
| 6680678    |                 | Circuit layout arrangement for key switch signal recognition                                                            | US      | 2/7/2001    | A              |
| 6678077    |                 | Multi-direction opening lid structure                                                                                   | US      | 10/6/2000   | A              |
| 6678074    |                 | Changeable resolution apparatus and method for optical scanner                                                          | US      | 10/6/2000   | A              |
| 6674921    |                 | Method of image sampling and apparatus thereof                                                                          | US      | 7/28/2000   | A              |
| 6674560    |                 | Optical lens of optical scanner                                                                                         | US      | 5/16/2003   | A              |
| 6674552    |                 | Scanner having synchronization dynamic random access memory scanner and its related memory access method                | US      | 11/13/2000  | A              |
| 6667818    |                 | Multiple-field sensor for scanning system                                                                               | US      | 10/23/2000  | A              |
| 6661588    |                 | Objective lens anti-shock adjustment device                                                                             | US      | 8/22/2002   | A              |
| 6661541    |                 | Closed circuit control device for scanner                                                                               | US      | 4/4/2000    | A              |
| 6657752    |                 | Installation for improving a scanning range of scanner along an axial direction of a light source                       | US      | 3/24/2000   | A              |
| 6655680    |                 | Document sensor and sensing method                                                                                      | US      | 6/11/2002   | A              |
| 6655596    |                 | SCANNING APPARATUS UTILIZING GRAVITY ACCELERATION FOR SCANNING                                                          | US      | 1/25/2002   | A              |
| 6651971    |                 | Paper collecting device                                                                                                 | US      | 1/11/2002   | A              |
| 6650444    |                 | Apparatus compensating a scanned object for optical characteristics according to light sources of different wavelengths | US      | 9/19/2000   | A              |
| 6650442    |                 | Multiple non-directional scanning                                                                                       | US      | 7/17/2000   | A              |
| 6650432    |                 | Method and user interface for performing an automatic scan operation for a scanner coupled to a computer system         | US      | 10/13/1999  | A              |
| 6648483    |                 | Concave mirror optical system for scanner                                                                               | US      | 7/7/2000    | A              |
| 6647402    |                 | Process for generating a serial number from random numbers                                                              | US      | 9/5/2000    | A              |

**Attachment 1**

| Patent No. | Application No. | Title                                                                                                | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 6646770    |                 | Light-emitting diode light source control method                                                     | US      | 3/26/2002   | A              |
| 6646769    |                 | Light source mechanism for an imaging apparatus                                                      | US      | 6/21/2000   | A              |
| 6644650    |                 | Automatic document feeding apparatus                                                                 | US      | 8/31/2000   | A              |
| 6643036    |                 | Installation for increasing usable range along axial direction of light source                       | US      | 5/2/2000    | A              |
| 6642511    |                 | MOUNTING APPARATUS FOR OPTICAL SENSOR HAVING SCREW PILES WITH ANNULAR FITTING BOARDS                 | US      | 6/13/2002   | A              |
| 6641272    |                 | Module of reflection mirrors of L-shape                                                              | US      | 5/8/2002    | A              |
| 6639694    |                 | Imaging apparatus with divers resolution                                                             | US      | 9/5/2000    | A              |
| 6637663    |                 | Scanning apparatus with the appearance of pen                                                        | US      | 4/10/2002   | A              |
| 6637654    |                 | Scan device with elastic reserve type and its scan method                                            | US      | 12/7/2001   | A              |
| 6631507    |                 | Timing signal generation for charge-coupled device                                                   | US      | 9/27/2001   | A              |
| 6628416    |                 | Method and user interface for performing a scan operation for a scanner coupled to a computer system | US      | 10/13/1999  | A              |
| 6626360    |                 | Carrier mechanism for supporting and moving traveling module                                         | US      | 2/27/2001   | A              |
| 6626057    |                 | Gear-shifting device for changing scanning speed of optical scanner                                  | US      | 5/8/2000    | A              |
| 6619807    |                 | Modularized light-guiding apparatus and manufacturing method                                         | US      | 12/7/2001   | A              |
| 6616136    |                 | Friction plate coupling structure                                                                    | US      | 5/9/2002    | A              |
| 6615290    |                 | End-of-scan reporting system                                                                         | US      | 1/7/2000    | A              |
| 6615115    |                 | Method of reducing scanning discontinuity                                                            | US      | 7/21/2000   | A              |
| 6614561    |                 | Installation for increasing a scanning range of a scanner along an axial direction of a light source | US      | 3/30/2000   | A              |
| 6608301    |                 | Single step multi-section exposure scanning method                                                   | US      | 7/31/2001   | A              |
| 6607191    |                 | Paper-separating mechanism                                                                           | US      | 3/14/2002   | A              |
| 6603613    |                 | Reflection lens support structure                                                                    | US      | 8/27/2001   | A              |
| 6600578    |                 | Bi-directional transmission mechanism and method for an image scanner                                | US      | 12/21/1999  | A              |
| 6587247    |                 | Optical lens of optical scanner                                                                      | US      | 8/3/2001    | A              |
| 6576840    |                 | Structure for protecting and guiding flat cable of traveling module                                  | US      | 9/9/1999    | A              |
| 6575600    |                 | Optic reflection device                                                                              | US      | 12/22/2000  | A              |

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**Attachment 1**

| Patent No. | Application No. | Title                                                                                                                              | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 6575453    |                 | Pressure-adjustable mechanism for paper feeding roller of automatic paper feeder                                                   | US      | 11/6/2001   | A              |
| 6567191    |                 | Locating structure for locating a transparency illumination module on an object focal plane of a dual-mode optical scanning device | US      | 11/22/1999  | A              |
| 6555854    |                 | Charge coupled device with multi-focus lengths                                                                                     | US      | 4/25/2001   | A              |
| 6552835    |                 | Reflective and penetrative scanning apparatus                                                                                      | US      | 11/30/2000  | A              |
| 6550761    |                 | Integrated paper presser and stopper for automatic paper feeder                                                                    | US      | 11/6/2001   | A              |
| 6535649    |                 | Dynamic calibration method                                                                                                         | US      | 5/11/1999   | A              |
| 6535305    |                 | Transmission mechanism for optical scanner                                                                                         | US      | 1/12/2000   | A              |
| 6532084    |                 | Method for detecting the relative location of an image reading head and a light source                                             | US      | 7/22/1999   | A              |
| 6525503    |                 | Drive mechanism of scanner                                                                                                         | US      | 12/19/2000  | A              |
| 6522428    |                 | Structure of foldable optical path                                                                                                 | US      | 6/4/2002    | A              |
| 6515780    |                 | Method enabling a scanning range of a normal scan to map a predetermined range selected under preview in a scanning device         | US      | 12/11/2001  | A              |
| 6507667    |                 | Color digital imaging apparatus having a rule-based hue-shift processor                                                            | US      | 12/29/1999  | A              |
| 6507416    |                 | Brightness adjustable chassis for a scanner                                                                                        | US      | 4/26/1999   | A              |
| 6494586    |                 | Back-light module with improved light projecting assembly for image scanning device                                                | US      | 7/10/2001   | A              |
| 6493075    |                 | Method to adjust the ranging of the modulation transfer function, MTF, of a sensing system                                         | US      | 11/13/2000  | A              |
| 6489601    |                 | Correction method for an image reading system                                                                                      | US      | 7/9/1999    | A              |
| 6481860    |                 | Circular optical reflection apparatus                                                                                              | US      | 10/17/2000  | A              |
| 6474554    |                 | MULTIPLE LIGHTSENSOR MODULE POSITION SCANNING METHOD                                                                               | US      | 4/25/2001   | A              |
| 6471203    |                 | Paper separating device of the automatic document                                                                                  | US      | 12/22/2000  | A              |
| 6463238    |                 | Upper transparency cover                                                                                                           | US      | 10/15/2001  | A              |
| 6457110    |                 | Method of accessing synchronous dynamic random access memory in scanner                                                            | US      | 3/16/2001   | A              |
| 6453140    |                 | Vibration inhibiting mechanism for scanner                                                                                         | US      | 8/24/2000   | A              |
| 6452631    |                 | Method and apparatus for forming high contrast image in imaging system                                                             | US      | 10/31/1997  | A              |
| 6445480    |                 | Image scanning device with switching mechanism for selectively scanning reflective and transparent document                        | US      | 12/28/2000  | A              |
| 6433826    |                 | Adjusting mechanism for the lens set of an image                                                                                   | US      | 3/26/1998   | A              |



**Attachment 1**

| Patent No. | Application No. | Title                                                                                       | Country | Filing Date | Asset Category |
|------------|-----------------|---------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 6433328    |                 | Stray light attenuating device                                                              | US      | 8/7/2000    | A              |
| 6426823    |                 | VIBRATION-PROOF DEVICE FOR OPTIC SOURCE ELEMENT OF UPPER TRANSPARENCY ADAPTER               | US      | 1/11/2001   | A              |
| 6421158    |                 | Optical scanning module with rotatable reflection mirror for image scanning device          | US      | 12/27/2000  | A              |
| 6417938    |                 | COLOR IMAGE SCANNING METHOD OF A CC                                                         | US      | 5/3/1999    | A              |
| 6408138    |                 | Camera view-correction apparatus for taking picture                                         | US      | 2/24/2000   | A              |
| 6404938    |                 | Dummy clock control method and apparatus for a sequential I/O device                        | US      | 1/20/1999   | A              |
| 6392774    |                 | Multiple position guiding lens image scanning method                                        | US      | 7/26/2001   | A              |
| 6384566    |                 | Motor combination system and method for operating as an induction motor or a stepping motor | US      | 8/23/2000   | A              |
| 6384562    |                 | Scanner motor acceleration method                                                           | US      | 9/8/2000    | A              |
| 6344916    |                 | Method and device for measuring depth of field                                              | US      | 9/8/2000    | A              |
| 6326607    |                 | Calibration device and method of a scanner                                                  | US      | 6/18/1999   | A              |
| 6304343    |                 | Dust-proof mechanism for optical reflection module of image scanner                         | US      | 2/3/1999    | A              |
| 6302597    |                 | Hidden viewfinder for camera                                                                | US      | 12/15/1999  | A              |
| 6285483    |                 | Optical scanner                                                                             | US      | 1/24/2000   | A              |
| 6266090    |                 | Device for controlling a rotation of a lens in a digital camera                             | US      | 1/2/1998    | A              |
| 6263117    |                 | Automatic image calibration method for a contact image sensor                               | US      | 10/13/1998  | A              |
| 6252684    |                 | Automatic paper feeder including an upper light sensor                                      | US      | 11/13/1998  | A              |
| 6249368    |                 | Light source module for optical scanner                                                     | US      | 1/12/2000   | A              |
| 6227449    |                 | Optical path folding apparatus for optical scanner                                          | US      | 10/7/1999   | A              |
| 6217179    |                 | Optical reflection panel                                                                    | US      | 7/19/2000   | A              |
| 6196855    |                 | Guiding mechanism for guiding flat cable between two traveling modules                      | US      | 8/13/1999   | A              |
| 6069464    |                 | Driving apparatus for an image processing system                                            | US      | 10/1/1998   | A              |
| 6041105    |                 | Adapter circuitry for computers to support computer vision                                  | US      | 9/1/1998    | A              |
| 6005688    |                 | Batch scanning method for an image input system                                             | US      | 6/23/1998   | A              |
| 6002508    |                 | Optical scanner                                                                             | US      | 11/13/1998  | A              |
| 5988627    |                 | Paper-feeding apparatus                                                                     | US      | 4/6/1998    | A              |
| 5970262    |                 | Spring-free type focusing and defocusing mechanism for a digital camera                     | US      | 3/13/1998   | A              |
| 5956436    |                 | Method for dynamically scanning an image                                                    | US      | 5/23/1997   | A              |
| 5956085    |                 | Apparatus for increasing the sample frequency of an image                                   | US      | 11/7/1996   | A              |
| 5954327    |                 | Paper-feeding apparatus                                                                     | US      | 4/6/1998    | A              |
| 5945800    |                 | Apparatus and method for controlling a stepping motor                                       | US      | 1/26/1998   | A              |
| 5937088    |                 | Apparatus and method for improving memory usage of look-up table mapping                    | US      | 6/27/1996   | A              |
| 5917618    |                 | Document moving transmission system for an optical scanner                                  | US      | 6/6/1997    | A              |

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**Attachment 1**

| Patent No. | Application No. | Title                                                                                  | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------|---------|-------------|----------------|
| 5912711    |                 | Apparatus for converting and scaling non-interlaced VGA signal to interlaced TV signal | US      | 5/9/1997    | A              |
| 5907730    |                 | Moveable lens apparatus for digital camera                                             | US      | 1/31/1998   | A              |
| 5903364    |                 | Sheet-fed scanner with selectively variable document feed-in and feed-out positions    | US      | 7/29/1997   | A              |
| 5844574    |                 | System for enabling a CPU and an image processor to synchronously access a RAM         | US      | 5/22/1995   | A              |
| 5831749    |                 | Optical scanning apparatus                                                             | US      | 12/2/1996   | A              |
| 5818973    |                 | Apparatus for digital correction in an image system                                    | US      | 1/11/1996   | A              |
| 5815759    |                 | Extended adjusting mechanism for the lens set of a scanner                             | US      | 3/26/1998   | A              |
| 5815329    |                 | Tri-mirror multi-reflection optical path folding apparatus                             | US      | 9/13/1996   | A              |
| 5793482    |                 | Multiple optical lens system with auto-focus calibration                               | US      | 2/4/1997    | A              |
| 5784214    |                 | Transparent window glass holding structure for optical scanner                         | US      | 12/16/1996  | A              |
| 5769515    |                 | Optical scanners with an improved chassis locking mechanism                            | US      | 12/16/1996  | A              |
| 5742409    |                 | Apparatus for pixel insertion in optical scanners                                      | US      | 10/18/1995  | A              |
| 5737135    |                 | Opto-mechanical apparatus for moving and scanning in an optical system                 | US      | 12/18/1996  | A              |
| 5734479    |                 | Method of calibrating an image for reducing shadow                                     | US      | 8/6/1996    | A              |
| 5719386    |                 | High efficiency multi-image scan method                                                | US      | 2/7/1996    | A              |
| 5712720    |                 | Lens switching apparatus for dual-lens optical scanner                                 | US      | 12/16/1996  | A              |
| 5694315    |                 | Method for scanning multiple images in one scan                                        | US      | 6/6/1995    | A              |
| 5652665    |                 | Transparency adapter for flatbed scanners                                              | US      | 9/8/1995    | A              |
| 5633745    |                 | To drive the optical system independently by CPU in flatbed scanners                   | US      | 9/8/1995    | A              |
| 5514864    |                 | Photo electric feedback compensation controlled                                        | US      | 3/25/1994   | A              |
| 5245179    |                 | Cylindrical color filter driver for an optical reader                                  | US      | 10/8/1992   | A              |
| 5,452,120  |                 | Lamp shade moving mechanism for transparency scanner                                   | US      | 6/7/1994    | A              |
| 5,469,303  |                 | Brightness compensation for a lamp shade in an optical scanner                         | US      | 6/7/1994    | A              |
| 5,497,272  |                 | Lens switching device for multi-lens optical scanner                                   | US      | 5/26/1994   | A              |
| 5,537,240  |                 | Brilliance control apparatus of light source in an optical scanner                     | US      | 6/7/1994    | A              |
| D318,654   |                 | Image scanner                                                                          | US      | 2/13/1989   | A              |
| D342,492   |                 | AUTOMATIC DOCUMENT FEEDER                                                              | US      | 6/3/1992    | A              |
| D348059    |                 | TRANSPARENCY SCANNER                                                                   | US      | 1/14/1993   | A              |
| D365341    |                 | ROLLER TYPE GRAY SCALE SCANNER                                                         | US      | 6/29/1994   | A              |
| D365807    |                 | COMPUTER VIDEO INFORMATION CONVERTER                                                   | US      | 6/29/1994   | A              |
| D367495    |                 | COMPUTER IMAGE CONVERTER                                                               | US      | 5/5/1995    | A              |
| D368257    |                 | IMAGE SCANNER                                                                          | US      | 5/5/1995    | A              |
| D369148    |                 | MINI COMPUTER VIDEO INFORMATION CONVERTER                                              | US      | 5/5/1995    | A              |
| D369149    |                 | VIDEO FRAME GRABBER                                                                    | US      | 4/4/1995    | A              |
| D370667    |                 | SCANNER                                                                                | US      | 5/5/1995    | A              |
| D370893    |                 | WAVE SHAPED SCANNER                                                                    | US      | 5/5/1995    | A              |
| D377168    |                 | Visual image scanner                                                                   | US      | 9/14/1995   | A              |

**Attachment 1**

| Patent No. | Application No. | Title                                                                 | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------|---------|-------------|----------------|
| D382857    |                 | SCANNER                                                               | US      | 11/7/1995   | A              |
| D388067    |                 | PAPER DELIVERING SCANNER                                              | US      | 12/27/1996  | A              |
| D388773    |                 | COMPUTER                                                              | US      | 11/8/1996   | A              |
| D389468    |                 | VISION IMAGE SCANNER                                                  | US      | 11/8/1996   | A              |
| D394047    |                 | PAPER DELIVERING SCANNER                                              | US      | 7/1/1997    | A              |
| D394429    |                 | SLIDE SCANNER COVER                                                   | US      | 5/13/1997   | A              |
| D396216    |                 | COMPUTER                                                              | US      | 7/1/1997    | A              |
| D396704    |                 | SCANNER                                                               | US      | 7/29/1997   | A              |
| D397096    |                 | scanner                                                               | US      | 5/13/1997   | A              |
| D397106    |                 | SCANNER                                                               | US      | 11/8/1996   | A              |
| D400867    |                 | SCANNER                                                               | US      | 7/1/1997    | A              |
| D405066    |                 | APERTURE SELECTOR FOR CAMERA LENS                                     | US      | 1/7/1998    | A              |
| D405067    |                 | Scanner                                                               | US      | 1/8/1998    | A              |
| D405068    |                 | Scanner                                                               | US      | 1/8/1998    | A              |
| D405069    |                 | Scanner                                                               | US      | 1/8/1998    | A              |
| D413584    |                 | Scanner                                                               | US      | 8/4/1998    | A              |
| 93085      |                 | Amendment of the transmission system structure of the paper conveyer  | TW      | 3/9/1994    | A              |
| 151277     |                 | Amendment of optical scanner structure                                | TW      | 9/26/1996   | A              |
| 139851     |                 | Digital image-reading device with rule-base color adjustment function | TW      | 11/24/1999  | A              |
| 181014     |                 | Optical scanner with simultaneous double-side scan function           | TW      | 11/11/1999  | A              |
| 212479     |                 | Multi-stage device for compensating illuminant brightness             | TW      | 6/14/2002   | A              |
| 213282     |                 | A tube for decreasing the volume of the optical scan module           | TW      | 6/26/2002   | A              |
| 195706     |                 | Amendment of the device used in a scanner for restoring vision colors | TW      | 4/14/2000   | A              |
| 189535     |                 | Optical scanner with an optical well                                  | TW      | 3/22/2002   | A              |
| 213279     |                 | Lens with the function of fall-proof                                  | TW      | 6/14/2002   | A              |
| 213290     |                 | Fine tuning device for avoiding from vibration used in a lens module  | TW      | 7/24/2002   | A              |
| 213543     |                 | Adjustable focusing module                                            | TW      | 6/26/2002   | A              |
| 213326     |                 | Light source module                                                   | TW      | 10/25/2002  | A              |
| 213318     |                 | Scan module for preventing from light spreading                       | TW      | 10/11/2002  | A              |
| 181017     |                 | Transmission machinery of an image-taking device                      | TW      | 11/30/1999  | A              |
| 100372     |                 | Digital image signal compensation apparatus                           | TW      | 11/8/1995   | A              |
| 182380     |                 | Expandable scanner                                                    | TW      | 1/18/2000   | A              |
| 182381     |                 | Amendment of the connection construction of a light source assembly   | TW      | 1/21/2000   | A              |

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| Patent No. | Application No. | Title                                                                                               | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 144114     |                 | Method for enhancing scanning resolution by using a controlling transmission system                 | TW      | 1/15/2000   | A              |
| 166632     |                 | Charge coupled device with multiple focal lengths                                                   | TW      | 4/13/2001   | A              |
| 189674     |                 | Method and device for image treatment                                                               | TW      | 9/19/2001   | A              |
| 189676     |                 | Method for treating instantaneous image compression                                                 | TW      | 10/18/2001  | A              |
| 189681     |                 | Beam-focusing and beam-splitting devices of a light source module                                   | TW      | 12/31/2001  | A              |
| 213708     |                 | Masking frame of a fixing device of an optical lens                                                 | TW      | 5/2/2002    | A              |
| 213771     |                 | Fixing device of a light source assembly                                                            | TW      | 5/31/2002   | A              |
| 213791     |                 | Compensation device of a light source                                                               | TW      | 9/19/2002   | A              |
| 101266     |                 | Multi-lenses switching apparatus                                                                    | TW      | 3/3/1994    | A              |
| 101266     |                 | First supplement of the multi-lenses switching apparatus                                            | TW      | 5/25/1995   | A              |
| 196479     |                 | Integrated module of an automatic paper deliverer and a back-light plate of an image scan apparatus | TW      | 12/6/1999   | A              |
| 190291     |                 | Method for enhancing the resolution of a life sensor                                                | TW      | 12/31/2002  | A              |
| 190827     |                 | Digital camera with the functions of setting the light source and rectifying the colors             | TW      | 9/2/1999    | A              |
| 182164     |                 | Heat-dissipating apparatus of the light source assembly of an optical scanner                       | TW      | 2/25/2000   | A              |
| 168617     |                 | Method for judging single scan or multiply scans                                                    | TW      | 11/13/2000  | A              |
| 167150     |                 | Image scan apparatus                                                                                | TW      | 4/3/2001    | A              |
| 197502     |                 | Direct projection type of back-light module of an image scan apparatus                              | TW      | 5/28/2001   | A              |
| 214687     |                 | Multi-stage lens-bearing apparatus                                                                  | TW      | 9/20/2002   | A              |
| 190901     |                 | Lens system with modifiable curvature and the modulation method thereof                             | TW      | 10/25/2002  | A              |
| 109151     |                 | Video input apparatus connectible to a computer and the method thereof                              | TW      | 8/28/1998   | A              |
| 109263     |                 | Automatic correction method of a contact-typed image scan apparatus                                 | TW      | 9/10/1998   | A              |
| 182274     |                 | ear change apparatus of an optical scanner                                                          | TW      | 3/6/2000    | A              |
| 167618     |                 | Automatic paper deliverer                                                                           | TW      | 5/28/2001   | A              |
| 168543     |                 | Method for enhancing the utility of defective memory devices applied in the image treatment system  | TW      | 10/5/2001   | A              |
| 190846     |                 | Complementary controlling circuit of a scanner                                                      | TW      | 8/31/2001   | A              |

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| Patent No. | Application No. | Title                                                                                        | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 190878     |                 | Light source casting with high reflectivity                                                  | TW      | 7/16/2002   | A              |
| 98166      |                 | Method for enhancing the resolution of the output image in an optical image scan system      | TW      | 5/10/1997   | A              |
| 183241     |                 | Improved power-saving module of a scanner                                                    | TW      | 5/30/2000   | A              |
| 167301     |                 | Apparatus with optical compensation according to the wave lengths of different light sources | TW      | 9/11/2000   | A              |
| 198740     |                 | Image-taking apparatus with multiple sense lines                                             | TW      | 7/6/2001    | A              |
| 168635     |                 | Method for correcting the light source's uniformity of a scanner and its back-light module   | TW      | 3/19/2001   | A              |
| 214683     |                 | Concave mirror apparatus of a scanner                                                        | TW      | 8/10/2001   | A              |
| 215860     |                 | Light-machine apparatus of a scanner                                                         | TW      | 9/24/2002   | A              |
| 190863     |                 | Method of fixing adjustable optical lens assembly and its structure                          | TW      | 3/11/2002   | A              |
| 192537     |                 | Optical lens apparatus of an image scanner                                                   | TW      | 9/27/2002   | A              |
| 190876     |                 | Clamping apparatus for non-circular lenses                                                   | TW      | 7/5/2002    | A              |
| 99022      |                 | Digital camera with a separable lens                                                         | TW      | 12/26/1997  | A              |
| 148161     |                 | Method for deciding correction position of a transparency scanner                            | TW      | 2/25/2000   | A              |
| 148063     |                 | Method and apparatus for inputting characteristics of a scanner                              | TW      | 5/30/2000   | A              |
| 168600     |                 | Method for driving the stepper motor of a scanner                                            | TW      | 7/24/2000   | A              |
| 169077     |                 | Method for a color sensor to balance the output of different color passageway                | TW      | 12/12/2000  | A              |
| 169123     |                 | Modulated wave guide and its manufacturing method                                            | TW      | 5/25/2001   | A              |
| 192816     |                 | Light source module of a scanner                                                             | TW      | 6/21/2002   | A              |
| 192515     |                 | Lens module with adjustable magnification                                                    | TW      | 6/6/2002    | A              |
| 192855     |                 | Light source with focusing function                                                          | TW      | 6/3/2002    | A              |
| 216352     |                 | Luminescence apparatus of a scanner                                                          | TW      | 12/9/2002   | A              |
| 216355     |                 | Light source module and a surface light source apparatus applying the light source module    | TW      | 12/18/2002  | A              |
| 185050     |                 | Transmission machinery of a scanner                                                          | TW      | 3/1/2000    | A              |
| 148455     |                 | Auxiliary correction and positioning apparatus of a scanner and its method                   | TW      | 3/24/2000   | A              |
| 192820     |                 | Optical path device of a curved mirror                                                       | TW      | 6/28/2002   | A              |
| 154154     |                 | Optical scan apparatus                                                                       | TW      | 8/25/1998   | A              |
| 154635     |                 | Liquid crystal display with scan function                                                    | TW      | 9/30/1998   | A              |
| 154171     |                 | Optical path device of a scanner                                                             | TW      | 5/11/1999   | A              |

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| Patent No. | Application No. | Title                                                                            | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------|---------|-------------|----------------|
| 185374     |                 | Fine-tuning apparatus of the light source of an optical scanner                  | TW      | 5/16/2000   | A              |
| 149373     |                 | Method of accelerating the motor of a scanner                                    | TW      | 4/10/2000   | A              |
| 216381     |                 | Light source module                                                              | TW      | 2/25/2003   | A              |
| 148835     |                 | Method of combining the functions of warming and preview                         | TW      | 11/19/1999  | A              |
| 185314     |                 | Light source module of an optical scanner                                        | TW      | 11/9/1999   | A              |
| 148850     |                 | Method of randomly generating serial numbers                                     | TW      | 5/5/2000    | A              |
| 150131     |                 | Method of starting a computer and then automatically scanning by using a scanner | TW      | 3/24/2000   | A              |
| 171368     |                 | Scanning method by adjusting Y-axis's transformation function                    | TW      | 11/6/2000   | A              |
| 196503     |                 | Linearly crisscrossed sensor array                                               | TW      | 8/16/2002   | A              |
| 196565     |                 | Image-taking plate                                                               | TW      | 8/8/2002    | A              |
| 219630     |                 | Fixing apparatus of a lens                                                       | TW      | 10/9/2002   | A              |
| 111354     |                 | Stepped and weighted correction apparatus of an image treatment system           | TW      | 5/16/1997   | A              |
| 150516     |                 | Automatic level adjustment apparatus                                             | TW      | 6/29/2000   | A              |
| 150076     |                 | Correction method of an image scan apparatus                                     | TW      | 6/14/2000   | A              |
| 150150     |                 | Method and apparatus of automatically focusing                                   | TW      | 8/29/2000   | A              |
| 197019     |                 | Light source module with uniform brightness                                      | TW      | 7/1/2002    | A              |
| 155523     |                 | Optical scan apparatus                                                           | TW      | 11/20/1998  | A              |
| 151074     |                 | Controlling method of decreasing the discontinuity of a scan process             | TW      | 4/26/2000   | A              |
| 200568     |                 | Lighting apparatus with adjustable brightness                                    | TW      | 4/27/2001   | A              |
| 151245     |                 | Apparatus for decreasing time of exposure in an image treatment system           | TW      | 11/11/1999  | A              |
| 186881     |                 | System of enhancing the movement area of a light source                          | TW      | 12/18/1999  | A              |
| 187251     |                 | Transmission machinery of an optical scanner                                     | TW      | 7/7/2000    | A              |
| 150340     |                 | Linear CMOS sensors                                                              | TW      | 1/20/2001   | A              |
| 187218     |                 | Gear gap adjustment apparatus                                                    | TW      | 7/4/2001    | A              |
| 197660     |                 | Light source module for a scan apparatus                                         | TW      | 9/19/2002   | A              |
| 155845     |                 | Shift correction machinery of a paper conveyer                                   | TW      | 8/28/1998   | A              |
| 111963     |                 | Brightness adjustment apparatus of a scan system                                 | TW      | 11/24/1998  | A              |
| 187346     |                 | Device for diminishing miscellaneous light                                       | TW      | 6/30/2000   | A              |
| 187293     |                 | Structure of multi-directional blind flange                                      | TW      | 8/1/2000    | A              |

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| Patent No. | Application No. | Title                                                                                       | Country | Filing Date | Asset Category |
|------------|-----------------|---------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 151817     |                 | Scanner using intersected sensors and its scan method                                       | TW      | 8/24/2000   | A              |
| 177072     |                 | Apparatus and method of an image-taking system                                              | TW      | 4/12/2001   | A              |
| 177087     |                 | Elastic energy-storing type of Scan apparatus and its scan method                           | TW      | 6/22/2001   | A              |
| 176966     |                 | Scan apparatus of saving compensation memory and its method                                 | TW      | 6/8/2001    | A              |
| 188036     |                 | Feedback control apparatus of the transmission system of a scanner                          | TW      | 6/8/2000    | A              |
| 188037     |                 | can device                                                                                  | TW      | 6/22/2000   | A              |
| 187997     |                 | Fixing structure of the document glass plate of a scanner                                   | TW      | 8/15/2000   | A              |
| 114455     |                 | Brightness control apparatus of an optical scanner                                          | TW      | 5/19/1994   | A              |
| 156659     |                 | Automatic paper conveyer with an upper light source                                         | TW      | 9/11/1998   | A              |
| 152803     |                 | Positioning method of a digital image-taking system and its apparatus                       | TW      | 9/30/1999   | A              |
| 153537     |                 | CCD apparatus with internal buffers and its operation method                                | TW      | 8/4/2000    | A              |
| 153483     |                 | Image scan method by setting sensor modules at different positions to scan images           | TW      | 8/28/2000   | A              |
| 188463     |                 | Compensation apparatus for two-side light sources                                           | TW      | 9/4/2000    | A              |
| 188390     |                 | Fixing apparatus of the scan carrier of a scanner                                           | TW      | 8/15/2000   | A              |
| 174217     |                 | Method for judging the stability of light source assembly                                   | TW      | 8/10/2001   | A              |
| 153857     |                 | Apparatus and method for performing calibration for CMOS sensors                            | TW      | 1/20/2001   | A              |
| 154000     |                 | Scan apparatus directly connected to a website and its method                               | TW      | 9/16/2000   | A              |
| 113302     |                 | Data compression method for an image-taking apparatus                                       | TW      | 9/16/1998   | A              |
| 154470     |                 | Round optical reflection apparatus                                                          | TW      | 2/2/2000    | A              |
| 154210     |                 | Method of virtualizing the keyboard of a computer peripheral by using a computer's keyboard | TW      | 10/7/1999   | A              |
| 154246     |                 | Apparatus for testing the distribution of the brightness of a light source                  | TW      | 9/5/2000    | A              |
| 188941     |                 | Fixing structure of a scanner transmission system                                           | TW      | 2/25/2000   | A              |

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| Patent No. | Application No. | Title                                                                                      | Country | Filing Date | Asset Category |
|------------|-----------------|--------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 154232     |                 | Method for simply testing the depth of field                                               | TW      | 6/23/2000   | A              |
| 176494     |                 | Scanner using multi-sensors and its scan method                                            | TW      | 8/17/2000   | A              |
| 154244     |                 | Changeable background masking frame and its method                                         | TW      | 8/21/2000   | A              |
| 188958     |                 | Alignment apparatus of reflective and penetrative optical route in an image scan apparatus | TW      | 9/13/2000   | A              |
| 188957     |                 | Simple glass-fixing apparatus                                                              | TW      | 9/13/2000   | A              |
| 154523     |                 | Share method of the data bus of a scanner                                                  | TW      | 9/18/2000   | A              |
| 189019     |                 | Facility for testing an optical system                                                     | TW      | 8/13/2001   | A              |
| 70810      |                 | Application method for multiple parallel microprocessors                                   | TW      | 11/11/1993  | A              |
| 145763     |                 | Camera controlling apparatus with a rotatable lens                                         | TW      | 10/3/1997   | A              |
| 189440     |                 | Automatic paper conveyer                                                                   | TW      | 4/20/2001   | A              |
| 177326     |                 | Method for generating a clock for a charge-coupled device                                  | TW      | 8/7/2001    | A              |
| 146496     |                 | Movable lens apparatus of a digital camera                                                 | TW      | 8/28/1997   | A              |
| 155139     |                 | Scanner which doesn't need the digital buffer                                              | TW      | 8/4/2000    | A              |
| 155141     |                 | System combining an inductance motor and a stepper motor and its operation method          | TW      | 8/15/2000   | A              |
| 189488     |                 | Recognition circuit structure with simple key signal                                       | TW      | 10/24/2000  | A              |
| 154993     |                 | Multi-resolutional adjustment apparatus                                                    | TW      | 10/16/2001  | A              |
| 158403     |                 | Amended structure of an internal scanner                                                   | TW      | 4/21/1998   | A              |
| 156366     |                 | Method and apparatus for correcting image magnification of a scanner                       | TW      | 8/1/2000    | A              |
| 190158     |                 | Optical key input apparatus                                                                | TW      | 11/15/2000  | A              |
| 204116     |                 | Back-lighted plate                                                                         | TW      | 8/3/2001    | A              |
| 158925     |                 | External-connected apparatus supporting computer telephone service                         | TW      | 8/10/1998   | A              |
| 190231     |                 | Transmission apparatus of a scanner using an image detection element                       | TW      | 4/19/2000   | A              |
| 178910     |                 | Optical engine with a reflective film and its manufacture method                           | TW      | 1/9/2001    | A              |
| 156537     |                 | Height-adjustable pintle module                                                            | TW      | 8/23/2001   | A              |
| 190265     |                 | Optical lens module of an optical scanner                                                  | TW      | 6/7/2001    | A              |
| 178921     |                 | Feature structure of a lens and its fine-tuning machinery                                  | TW      | 10/30/2001  | A              |
| 157847     |                 | Structure for assembling the reflection lens of a scanner                                  | TW      | 9/18/2000   | A              |
| 157858     |                 | Focusing method of a testing plate in an image scan apparatus                              | TW      | 11/9/2000   | A              |

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| Patent No. | Application No. | Title                                                                                         | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 157765     |                 | Transmission apparatus for correctly transmitting scanned data and its method                 | TW      | 11/13/2000  | A              |
| 157852     |                 | Method of reading the synchronizative DRAM of a scanner                                       | TW      | 10/5/2000   | A              |
| 115498     |                 | Apparatus for treating image signals                                                          | TW      | 12/8/1997   | A              |
| 115357     |                 | Apparatus for controlling the clock used in the output/input devices and its method           | TW      | 12/21/1998  | A              |
| 159727     |                 | Dust-proof machinery of the lens module of an image scan apparatus                            | TW      | 12/30/1998  | A              |
| 157756     |                 | Apparatus and method for controlling the close circuit of a scanner                           | TW      | 1/26/2000   | A              |
| 157638     |                 | Resolution-changeable optical scanner and its method                                          | TW      | 8/18/2000   | A              |
| 157761     |                 | Method for outputting the scanned objects with high resolution and its apparatus              | TW      | 9/11/2000   | A              |
| 157848     |                 | Method and apparatus for generating specially good images for a scanner                       | TW      | 9/22/2000   | A              |
| 191175     |                 | Optical machinery adjustment apparatus                                                        | TW      | 10/17/2001  | A              |
| 158734     |                 | Dynamic focusing method of an image scanning apparatus                                        | TW      | 10/16/2000  | A              |
| 158815     |                 | Method for reading identification values of the interface apparatus of a mini-computer system | TW      | 11/24/1997  | A              |
| 158703     |                 | Transparently-induced electronic diaphragm and camera shutter                                 | TW      | 3/9/1999    | A              |
| 158742     |                 | Fine-tuning machinery of an optical scanner's lens and its fine-tuning method                 | TW      | 11/30/2000  | A              |
| 158739     |                 | System and method for displaying the message of a scanner                                     | TW      | 11/13/2000  | A              |
| 206082     |                 | Image scanning apparatus using stimulated fluorescence as the top light source                | TW      | 12/31/2001  | A              |
| 160903     |                 | Driving device of an image treatment system                                                   | TW      | 9/4/1998    | A              |
| 160756     |                 | Parallel driving machinery of an optical path apparatus                                       | TW      | 8/17/1999   | A              |
| 191994     |                 | Apparatus for testing adjustable optical system                                               | TW      | 11/8/2001   | A              |
| 207455     |                 | Indirectly-shining plane light source and light guide                                         | TW      | 3/4/2003    | A              |
| 207445     |                 | Light guide structure of a side-emitting back-light module                                    | TW      | 4/21/2003   | A              |
| 191670     |                 | Positioning structure of the transmission device of a scanner                                 | TW      | 12/15/2000  | A              |
| 162179     |                 | Manuscript-moving type of scanners                                                            | TW      | 1/29/1999   | A              |
| 193265     |                 | Apparatus for adjusting an optical machinery                                                  | TW      | 10/30/2001  | A              |
| 161105     |                 | Communication apparatus connecting a computer system and its peripheral, and its method       | TW      | 11/30/2000  | A              |
| 193302     |                 | Stripped screw locking device                                                                 | TW      | 9/3/2001    | A              |
| 161379     |                 | Apparatus and method for automatically generating films                                       | TW      | 11/13/2001  | A              |

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| Patent No. | Application No. | Title                                                                                 | Country | Filing Date | Asset Category |
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| 162226     |                 | canner saving compensation time of download and its download method                   | TW      | 10/5/2000   | A              |
| 184462     |                 | Clock control method for avoiding CCD from saturation                                 | TW      | 12/10/2001  | A              |
| 193969     |                 | Fast locking structure of a pulley                                                    | TW      | 12/14/2001  | A              |
| 184469     |                 | Method for controlling LED light source                                               | TW      | 12/31/2001  | A              |
| 184563     |                 | Circuit module integrating a light source driver and an optical sensor                | TW      | 4/23/2002   | A              |
| 163113     |                 | Masking frame for an optical scanner                                                  | TW      | 4/18/1997   | A              |
| 162493     |                 | Optical path device with multi-lenses                                                 | TW      | 3/12/1999   | A              |
| 194330     |                 | Modulized internal scanner structure                                                  | TW      | 8/14/1998   | A              |
| 163003     |                 | Correction apparatus and method for linear CMOS sensors                               | TW      | 1/20/2001   | A              |
| 194422     |                 | Optical path device with the dust-proof function                                      | TW      | 3/28/2001   | A              |
| 194420     |                 | Optical scanner                                                                       | TW      | 1/19/2001   | A              |
| 194434     |                 | Dual-utility structure for a handle and a hanging object                              | TW      | 10/5/2001   | A              |
| 163670     |                 | Apparatus and method of controlling a stepper motor                                   | TW      | 1/19/1998   | A              |
| 195194     |                 | aper distribution device for an automatic paper conveyer                              | TW      | 11/10/2000  | A              |
| 195037     |                 | Scanner apparatus with automatic paper conveyer                                       | TW      | 3/22/2001   | A              |
| 195070     |                 | Fixing structure of an optical lens                                                   | TW      | 7/24/2001   | A              |
| 164076     |                 | Method of enhancing the scanning resolution                                           | TW      | 3/6/2001    | A              |
| 195333     |                 | Carrier structure of a moving module                                                  | TW      | 11/15/2000  | A              |
| 164069     |                 | Image-taking apparatus with image compensation unit and method of compensating images | TW      | 2/7/2001    | A              |
| 195542     |                 | Apparatus for isolating spiral pillars                                                | TW      | 12/13/2001  | A              |
| 164056     |                 | Light source structure of an optical scanner                                          | TW      | 11/20/1998  | A              |
| 121028     |                 | Pre-treatment method prior to scanning images                                         | TW      | 4/6/1999    | A              |
| 164245     |                 | Scanner with the function of uninterruptible Power                                    | TW      | 11/26/1998  | A              |
| 164309     |                 | Correction apparatus for the transmission thread                                      | TW      | 3/30/1999   | A              |
| 164502     |                 | pparatus for enhancing the movement area of a scanner's light source                  | TW      | 12/18/1999  | A              |
| 123172     |                 | Apparatus for adjusting the view-finding direction                                    | TW      | 1/13/2000   | A              |
| 166304     |                 | Modulized transparent scanning mask                                                   | TW      | 3/30/2000   | A              |
| 110171     |                 | Apparatus for controlling opto-electric feedback compensation                         | TW      | 12/3/1993   | A              |

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| Patent No. | Application No. | Title                                                                              | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------------------|---------|-------------|----------------|
| 124860     |                 | Correction method of an image-taking system                                        | TW      | 6/24/1999   | A              |
| 167788     |                 | Machinery with changeable optical path in an image scanning apparatus              | TW      | 6/15/1999   | A              |
| 124919     |                 | Method of optimizing scan quality                                                  | TW      | 3/16/1999   | A              |
| 167420     |                 | Hook structure                                                                     | TW      | 7/12/1999   | A              |
| 167406     |                 | Optical path adjustment device of an optical system                                | TW      | 5/12/1999   | A              |
| 167844     |                 | LCD display with a scanning function                                               | TW      | 9/30/1998   | A              |
| 125332     |                 | Method of testing the movement stability of a scanner                              | TW      | 6/17/1999   | A              |
| 125621     |                 | Method and apparatus of enhancing scanner's resolution                             | TW      | 7/7/1998    | A              |
| 168669     |                 | Manuscript movement machinery for an optical scanner                               | TW      | 4/8/1997    | A              |
| 125945     |                 | Scanner's correction apparatus and its method                                      | TW      | 2/26/1999   | A              |
| 127476     |                 | Method of analyzing and testing the stability of a moving object                   | TW      | 3/29/1999   | A              |
| 126531     |                 | Dynamic correction method                                                          | TW      | 5/6/1999    | A              |
| 126710     |                 | Method of scanning images and correcting colors for a scanner                      | TW      | 1/8/1999    | A              |
| 169007     |                 | Fixing apparatus for an optical path device                                        | TW      | 5/28/1999   | A              |
| 168899     |                 | Casing construction of a scanner                                                   | TW      | 7/30/1999   | A              |
| 169163     |                 | Transmission machinery of an optical scanner                                       | TW      | 9/2/1999    | A              |
| 170314     |                 | Thread structure of the optical path module of a scanner                           | TW      | 5/31/1999   | A              |
| 170318     |                 | Connection structure of a movement machinery                                       | TW      | 6/29/1999   | A              |
| 128732     |                 | Method of measuring the color difference for a color image scanner                 | TW      | 8/9/1999    | A              |
| 170430     |                 | Machinery for restraining scanner's vibration                                      | TW      | 8/27/1999   | A              |
| 169938     |                 | Apparatus for integrating the top cover and the bottom cover of a scanner          | TW      | 8/21/1999   | A              |
| 153542     |                 | Apparatus and method for directly performing edition by transforming scanned image | TW      | 9/16/2000   | A              |
| 174183     |                 | Scan head module                                                                   | TW      | 4/12/2001   | A              |
| 171418     |                 | Transmission apparatus for an optical scanner                                      | TW      | 6/10/1999   | A              |
| 173496     |                 | Optical path device of a scanner                                                   | TW      | 7/27/1999   | A              |
| 131535     |                 | Method and system for speeding up scanning                                         | TW      | 8/21/1999   | A              |

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| Patent No. | Application No. | Title                                                                                               | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 132548     |                 | Method for enhancing scanner's resolution by using a lens with changeable diaphragm                 | TW      | 7/9/1999    | A              |
| 173641     |                 | Optical scanner with adjustable resolution                                                          | TW      | 10/29/1999  | A              |
| 78798      |                 | Three-dimensional image system                                                                      | TW      | 7/31/1995   | A              |
| 175943     |                 | Protection circuit for charging failure                                                             | TW      | 10/12/1999  | A              |
| 175941     |                 | Matching circuit of the output of a charge coupled device                                           | TW      | 10/8/1999   | A              |
| 175839     |                 | Transmission machinery of an image scanning apparatus                                               | TW      | 10/14/1999  | A              |
| 175835     |                 | Switching apparatus for lenses                                                                      | TW      | 6/8/1999    | A              |
| 176535     |                 | Scan system having a light source with enhanced movement area                                       | TW      | 12/18/1999  | A              |
| 177820     |                 | Positioning structure for the penetration- and reflection-types of image scanners                   | TW      | 9/22/1999   | A              |
| 138615     |                 | Apparatus and method for scanning gray scale images                                                 | TW      | 8/20/1999   | A              |
| 139771     |                 | Image scanning method which sets up lenses at different positions in order to scan different images | TW      | 8/28/2000   | A              |
| 180036     |                 | Construction of an optical reflection plate                                                         | TW      | 12/22/1998  | A              |
| 180308     |                 | Optical scanner                                                                                     | TW      | 11/9/1999   | A              |
| 180309     |                 | Transmission machinery of an optical scanner                                                        | TW      | 11/19/1999  | A              |
| 141217     |                 | Method of informing the user that the scan has finished                                             | TW      | 11/11/1999  | A              |
| 180451     |                 | Film-fixing apparatus with a plastic blind flange                                                   | TW      | 11/11/1999  | A              |
| 141703     |                 | Method for testing abnormal image                                                                   | TW      | 1/6/2000    | A              |
| 82667      |                 | Size correction method                                                                              | TW      | 5/27/1994   | A              |
| 120780     |                 | Scanner for transparencies                                                                          | TW      | 5/5/1995    | A              |
| 150520     |                 | Scanner with organic light-emitting diode                                                           | TW      | 7/24/2000   | A              |
| 150315     |                 | Image sensing apparatus of many scanners                                                            | TW      | 6/23/2000   | A              |
| 85303      |                 | Amended scanner whose inquiry table corresponds with its memory, and its method                     | TW      | 6/25/1996   | A              |
| 86744      |                 | Batch scanning method on an image input system                                                      | TW      | 5/13/1996   | A              |
| 89199      |                 | Optical mechanical system driven by CPU                                                             | TW      | 6/9/1995    | A              |
| 90837      |                 | Method for a plenty amount of scans                                                                 | TW      | 3/10/1995   | A              |
| 96788      |                 | Automatic focusing apparatus for multi-lenses optical system                                        | TW      | 1/31/1997   | A              |
| 96449      |                 | Method and apparatus for building high contrast on an image system                                  | TW      | 8/19/1997   | A              |

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| Patent No. | Application No. | Title                                                                                  | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------|---------|-------------|----------------|
| 97318      |                 | Non-squared CCD crystal structure for increasing sampling frequency of a scanner       | TW      | 11/4/1996   | A              |
| 140537     |                 | Focusing apparatus without using a spring                                              | TW      | 12/12/1997  | A              |
| 100636     |                 | Method for dynamically scanning                                                        | TW      | 7/7/1997    | A              |
| 100933     |                 | Image correction method for decreasing bright and dark lines                           | TW      | 8/16/1996   | A              |
| 155899     |                 | Digital image signal processing apparatus and method                                   | TW      | 10/27/2000  | A              |
| I230544    |                 | Image scanner light source control method and appara                                   | TW      | 7/25/2002   | A              |
| I230543    |                 | scanning method of pre-deteting document                                               | TW      | 6/29/2001   | A              |
| I230336    |                 | Peripheral device having dual IO buses                                                 | TW      | 12/31/2002  | A              |
| allowed    |                 | Adjustable bio sensor control circuit and method                                       | TW      | 6/5/2003    | A              |
| allowed    |                 | Test result automation detection method                                                | TW      | 4/4/2003    | A              |
| 127939     |                 | A method of determining the scanning position for an automatic paper deliverer         | TW      | 8/20/1999   | A              |
| 180369     |                 | A control and adjust method based on light strength                                    | TW      | 10/16/2001  | A              |
| 676458     | 75436/96        | AN IMPROVEMENT OF TRANSPARENT WINDOW GLASS HOLDING STRUCTURE FOR AN OPTICAL SCANNER    | AU      | 12/18/1996  | B              |
| 694384     | 10154/97        | APPARATUS FOR DIGITAL CORRECTION IN AN IMAGE SYSTEM                                    | AU      | 1/14/1997   | B              |
| 686550     | 30134/97        | TRI-MIRROR MULTI-REFLECTION OPTICAL PATH FOLDING APPARATUS                             | AU      | 7/23/1997   | B              |
| 691139     | 12506/97        | APPARATUS AND METHOD FOR IMPROVING MEMORY USAGE OF LOOK-UP TABLE MAPPING               | AU      | 2/4/1997    | B              |
| 690508     | 31577/97        | DUAL-MIRROR MULTI-REFLECTION OPTICAL PATH FOLDING APPARATUS                            | AU      | 7/28/1997   | B              |
| 720177     | 75356/96        | OPTO-MECHANICAL APPARATUS FOR MOVING AND SCANNING IN AN OPTICAL SYSTEM                 | AU      | 12/13/1996  | B              |
| 681835     | 71714/96        | APPARATUS FOR INCREASING THE SAMPLE FREQUENCY OF SCANNING                              | AU      | 11/8/1996   | B              |
| 696786     | 71712/96        | SEPARATELY WEIGHTED MULTI-SAMPLED IMAGE SIGNAL PROCESSING APPARATUS                    | AU      | 11/8/1996   | B              |
| 676130     | 75435/96        | LENS SWITCHING APPARATUS FOR DUAL-LENS OPTICAL SCANNER                                 | AU      | 12/18/1996  | B              |
| 732864     | 20168/97        | APPARATUS FOR CONVERTING AND SCALING NON-INTERLACED VGA SIGNAL TO INTERLACED TV SIGNAL | AU      | 5/9/1997    | B              |
| 682145     | 16396/97        | TRANSPARENCY OPTICAL SCANNER                                                           | AU      | 3/19/1997   | B              |
|            | 15057/97        | APPARATUS AND METHOD FOR COMPENSATING MOVING DISTORTION OF DIGITAL SCANNING            | AU      | 3/3/1997    | B              |
| 703614     | 12505/97        | MULTIPLE OPTICAL LENS SYSTEM WITH AUTO-FOCUS CALIBRATION                               | AU      | 2/4/1997    | B              |

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| Patent No. | Application No. | Title                                                                               | Country | Filing Date | Asset Category |
|------------|-----------------|-------------------------------------------------------------------------------------|---------|-------------|----------------|
| 686980     | 23487/97        | LIGHT SHUTTER APPARATUS FOR AN OPTICAL SCANNER                                      | AU      | 5/19/1997   | B              |
| 687717     | 24725/97        | DOCUMENT MOVING TRANSMISSION SYSTEM FOR AN OPTICAL SCANNER                          | AU      | 6/4/1996    | B              |
| 686982     | 24726/97        | WINDOW ASSEMBLY MECHANISM FOR AN OPTICAL SCANNER                                    | AU      | 6/4/1997    | B              |
|            | 23623/97        | APPARATUS OF AN IMAGE PROCESSING USING DISTINCTIVE WEIGHTED CONTROL                 | AU      | 5/26/1997   | B              |
|            | 35232/97        | METHOD FOR IMPROVING THE IMAGE RESOLUTION IN AN OPTICAL IMAGE SCANNING SYSTEM       | AU      | 8/21/1997   | B              |
| 685728     | 23489/97        | AUTO-FOCUS MECHANISM                                                                | AU      | 5/19/1997   | B              |
|            | 23622/97        | METHOD FOR DYNAMICALLY SCANNING AN IMAGE                                            | AU      | 5/26/1997   | B              |
|            | 33225/97        | SHEET-FED SCANNER WITH SELECTIVELY VARIABLE DOCUMENT FEED-IN AND FEED-OUT POSITIONS | AU      | 8/7/1997    | B              |
|            | 33226/97        | RECEPTACLE WITH WIDE-ANGLE HINGE STRUCTURE                                          | AU      | 8/7/1997    | B              |
|            | 56357/98        | A DEVICE FOR CONTROLLING A ROTATION OF A LENS IN A DIGITAL CAMERA                   | AU      | 2/27/1998   | B              |
|            | 52834/98        | FIXATION DEVICE FOR THE CHASSIS OF AN OPTICAL SCANNER                               | AU      | 1/29/1998   | B              |
|            | 43700/97        | METHOD AND APPARATUS FOR FORMING HIGH CONTRAST IMAGE IN IMAGE SYSTEM                | AU      | 11/3/1997   | B              |
| 691158     | 59418/98        | PAPER-LOADING MECHANISM FOR A DOCUMENT DUPLICATING MACHINE                          | AU      | 5/7/1998    | B              |
|            | 52901/98        | APERTURE SELECTOR FOR CAMERA LENS                                                   | AU      | 2/3/1998    | B              |
|            | 52902/98        | CAMERA LENS FOCUSING APPARATUS                                                      | AU      | 2/3/1998    | B              |
| 690512     | 52903/98        | MOVEABLE LENS APPARATUS FOR DIGITAL CAMERA                                          | AU      | 2/3/1998    | B              |
| 681565     | 10140/97        | IMAGE SIGNAL PROCESSING APPARATUS                                                   | AU      | 1/13/1997   | B              |
| 747948     | 45089/97        | METHOD FOR FETCHING IDENTIFICATION OF SCSI EQUIPMENT                                | AU      | 11/10/1997  | B              |
|            | 59417/98        | ADJUSTING MECHANISM FOR THE LENS SET OF AN IMAGING SYSTEM                           | AU      | 3/19/1998   | B              |
|            | 71906/98        | APERTURE SELECTION MECHANISM FOR CAMERA                                             | AU      | 6/16/1998   | B              |
|            | 58373/98        | A SPRING-FREE TYPE FOCUSING AND DEFOCUSING MECHANISM FOR A DIGITAL CAMERA           | AU      | 3/11/1998   | B              |
| 695646     | 71907/98        | LENS MOVEMENT MECHANISM FOR DIGITAL CAMERA                                          | AU      | 6/16/1998   | B              |
|            | 45146/97        | DIGITAL CAMERA WITH A DETACHABLE LENS                                               | AU      | 11/12/1997  | B              |
|            | 45139/97        | DIGITAL CAMERA WITH A DETACHABLE DISPLAY                                            | AU      | 11/12/1997  | B              |

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| Patent No.   | Application No. | Title                                                                                       | Country | Filing Date | Asset Category |
|--------------|-----------------|---------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 696473       | 59419/98        | EXTENDED ADJUSTING MECHANISM FOR THE LENS SET OF AN IMAGING SYSTEM                          | AU      | 3/19/1998   | B              |
| 750155       | 52754/98        | APPARATUS AND METHOD FOR CONTROLLING A STEPPING MOTOR                                       | AU      | 1/27/1998   | B              |
| 743178       | 60704/98        | PAPER-FEEDING APPARATUS ( = )                                                               | AU      | 4/7/1998    | B              |
| 741200       | 60705/98        | PAPER-FEEDING APPARATUS                                                                     | AU      | 4/7/1998    | B              |
|              | 62825/98        | DEVICE FOR HOLDING AND MOVING A CONTACT IMAGE SENSOR                                        | AU      | 4/21/1998   | B              |
| 676129       | 75434/96        | IMPROVEMENT OF CHASSIS LOCKING MEANS FOR OPTICAL SCANNER                                    | AU      | 12/18/1996  | B              |
| 691157       | 59416/98        | PAPER-FEEDING MECHANISM FOR A DOCUMENT DUPLICATING MACHINE                                  | AU      | 3/19/1998   | B              |
|              | 29809379.0      | 內建式掃描機結構                                                                                    | DE      | 5/25/1998   | B              |
|              | 10055372.8      | CIRCULAR OPTICAL REFLECTION APPARATUS                                                       | DE      | 11/6/2000   | B              |
|              | 10010314.6      | INCREASING SCANNING RESOLUTION THROUGH DRIVING SYSTEM CONTROL                               | DE      | 3/3/2000    | B              |
|              | 10039396.9      | MULTIPLE NON-DIRECTIONAL METHOD OF SCANNING BY SCANNER                                      | DE      | 8/11/2000   | B              |
|              | 10136040.1      | AN OPTICAL CHASSIS OF PLATING FILM REFLECTION AND ITS MANUFACTURING PROCEDURE               | DE      | 7/25/2001   | B              |
| 20112289.8   | 20112289.8      | AN OPTICAL CHASSIS PASTED WITH PLATING FILM REFLECTION THIN PLATES                          | DE      | 7/25/2001   | B              |
|              | 10129691.6-31   | SCANNING HEAD MODULE                                                                        | DE      | 6/22/2001   | B              |
|              | 10158932.8      | METHOD FOR IMPROVING UTILIZATION OF A DEFECTIVE MEMORY DEVICE IN AN IMAGE PROCESSING SYSTEM | DE      | 12/3/2001   | B              |
|              | 10142956.8-31   | METHOD FOR READING PIXEL SIGNALS FROM A MULTIPLE STAGGERED SENSOR                           | DE      | 9/1/2001    | B              |
|              | 10158322.2      | OPTICAL SYSTEM                                                                              | DE      | 11/28/2001  | B              |
|              | 10329630.1      | TRANSMISSION MECHANISM OF SHEET FEEDER                                                      | DE      | 7/1/2003    | B              |
|              | 10245038.2      | DATA READING APPARATUS AND OPERATING METHOD THEREOF                                         | DE      | 9/26/2002   | B              |
|              | 10330050.3      | LIGHT GUIDE PLATE FOR A BACKLIGHT MODULE                                                    | DE      | 7/3/2003    | B              |
| 20118700.0   | 20118700.0      | IMAGE SCANNER                                                                               | DE      | 11/16/2001  | B              |
| 20203019.9   | 20203019.9      | 一種光程增加模組                                                                                    | DE      | 2/26/2002   | B              |
| 203 07 285.1 | 203 07 385.1    | OPTICAL MODULE WITH MOVABLE REFLECTIVE MIRRORS                                              | DE      | 5/12/2003   | B              |
|              | 10158495.4      | A METHOD FOR DETECTING THE ALIGNMENT OF DOCUMENT IN AN AUTOMATICAL                          | DE      | 11/29/2001  | B              |
|              | 10235450.2      | OPTICAL DEVICE AND METHOD FOR SCANNER                                                       | DE      | 8/2/2002    | B              |

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| Patent No. | Application No. | Title                                                                                             | Country | Filing Date | Asset Category |
|------------|-----------------|---------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10245810.3      | LIGHT-FOCUSING FOR IMAGE-GATHERING DEVICE AND METHOD                                              | DE      | 10/1/2002   | B              |
|            | 10301961.8      | OPTICAL LENS DEVICE OF IMAGE SCANNER                                                              | DE      | 1/20/2003   | B              |
|            | 10307615.8      | LIGHT SOURCE OF LED FOR SCANNER                                                                   | DE      | 2/21/2003   | B              |
|            | 10319295.6      | METHOD FOR DETERMINING THE CONCENTRATION OF BLOOD GLOCOSE                                         | DE      | 4/29/2003   | B              |
|            | 10328048.0      | LIGHT SOURCE MODULE AND METHOD FOR DESIGN THE SAME                                                | DE      | 6/23/2003   | B              |
|            | 10338280.1      | BIOSENSOR FOR MONITORING AN ANALYTE CONTENT WITH A PARTIAL VOLTAGE GENERATED THEREFROM            | DE      | 8/20/2003   | B              |
|            | 10227067.8      | LAYOUT OF THE OPTICAL PATH IN THE IMAGE-CAPTURING SYSTEM AND THE METHOD FOR FORMINGTHE SAME       | DE      | 6/17/2002   | B              |
|            | 10323897.2      | USER INTERFACE OF AN IMAGE CAPTURING APPARATUS AND AN IMAGE PROCESSING METHOD THEREOF             | DE      | 5/26/2003   | B              |
|            | 10039395.0      | METHOD OF REDUCING SCANNING DISCONTINUITY                                                         | DE      | 8/11/2000   | B              |
| 2320832    | 9627100.2       | AN IMPROVEMENT OF TRANPRENT WINDOW GLASS HOLDING STRUCTURE FOR AN OPTICAL SCANNER                 | GB      | 12/31/1996  | B              |
| 2321357    | 9700813.0       | APPARATUS FOR DIGITAL CORRECTION IN AN IMAGE SYSTEM                                               | GB      | 1/16/1997   | B              |
|            | 9707816.6       | TRI-MIRROR MULTI-REFLECTION OPTICAL PATH FOLDING APPARATUS                                        | GB      | 4/17/1997   | B              |
| 2314718    | 9702645.4       | APPARATUS AND METHOD FOR IMPROVING MEMORY USAGE OF LOOK-UP TABLE MAPPING                          | GB      | 10/2/1997   | B              |
|            | 9707772.1       | DUAL-MIRROR MULTI-REFLECTION OPTICAL PATH FOLDING APPARATUS                                       | GB      | 4/17/1997   | B              |
| 2320636    | 9626148.2       | OPTO-MECHANICAL APPARATUS FOR MOVING AND SCANNING IN AN OPTICAL SYSTEM                            | GB      | 12/17/1996  | B              |
|            | 9623455.4       | APPARATUS FOR INCREASING THE SAMPLE FREQUENCY OF SCANNING                                         | GB      | 11/8/1996   | B              |
| 2319132    | 9623450.5       | INCREASING DENSITY RANGE OF A VIDEO SIGNAL BY TIME WEIGHTED MULTI-SAMPLED IMAGE SIGNAL PROCESSING | GB      | 11/8/1996   | B              |
|            | 9709211.8       | CONVERTING AND SCALING NON-INTERLACED VGA SIGNALS TO INTERLACED TV SIGNALS                        | GB      | 5/7/1997    | B              |
|            | 9706163.4       | TRANSPARENCY OPTICAL SCANNER                                                                      | GB      | 3/25/1997   | B              |
|            | 9705167.6       | APPARATUS AND METHOD FOR COMPENSATING MOVING DISTORTION OF DIGITAL SCANNING                       | GB      | 3/13/1997   | B              |
|            | 9702644.7       | MULTIPLE OPTICAL LENS SYSTEM WITH AUTO-FOCUS CALIBRATION                                          | GB      | 10/2/1997   | B              |

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| Patent No. | Application No. | Title                                                                               | Country | Filing Date | Asset Category |
|------------|-----------------|-------------------------------------------------------------------------------------|---------|-------------|----------------|
| 2325580    | 9710379.0       | LIGHT SHUTTER APPRATUS FOR AN OPTICAL SCANNER                                       | GB      | 5/20/1997   | B              |
|            | 9711653.7       | 光學掃描機之原稿面移動機構                                                                       | GB      | 8/6/1997    | B              |
|            | 9711652.9       | 光學掃描機之原稿面承載玻璃結構                                                                     | GB      | 7/31/1997   | B              |
|            | 9711107.4       | APPARATUS OF AN IMAGE PROCESSING USING DISTINCTIVE WEIGHTED CONTROL                 | GB      | 5/29/1997   | B              |
| 2328577    | 9717592.1       | METHOD FOR IMPROVING THE IMAGE RESOLUTION INAN OPTICAL IMAGESCANNING SYSTEM         | GB      | 8/21/1997   | B              |
|            | 9710382.4       | AUTO-FOCUS MECHANISM                                                                | GB      | 5/20/1997   | B              |
|            | 9711105.8       | METHOD FOR DYNAMICALLY SCANNING AN IMAGE                                            | GB      | 5/29/1997   | B              |
|            | 9716019.6       | SHEET-FED SCANNER WITH SELECTIVELY VARIABLE DOCUMENT FEED-IN AND FEED-OUT POSITIONS | GB      | 7/29/1997   | B              |
|            | 9716026.1       | RECEPTACLE WITH WIDE-ANGLE HINGE STRUCTURE                                          | GB      | 7/29/1997   | B              |
|            | 9803064.6       | FIXATION DEVICE FOR THE CHASSIS OF AN OPTICAL SCANNER                               | GB      | 2/16/1998   | B              |
| 2335418    | 9806033.8       | SHEET FEEDING                                                                       | GB      | 3/20/1998   | B              |
| 2335419    | 9806041.1       | SHEET FEEDING                                                                       | GB      | 3/20/1998   | B              |
|            | 9801820.3       | CAMERA LENS FOCUSING APPARATUS                                                      | GB      | 1/28/1998   | B              |
|            | 9801818.7       | MOVEABLE LENS APPARATUS FOR DIGITAL CAMERA                                          | GB      | 1/28/1998   | B              |
| 2321152    | 9700579.7       | IMAGE SIGNAL PROCESSING APPARATUS                                                   | GB      | 1/13/1997   | B              |
| 2331167    | 9723725.9       | METHOD FOR FETCHING IDENTIFICATION OF SCSI EQUIPMENT                                | GB      | 10/11/1997  | B              |
|            | 9806028.8       | ADJUSTING MECHANISM FOR THE LENS SET OF AN IMAGING SYSTEM                           | GB      | 3/20/1998   | B              |
| 2338312    | 9812446.4       | APERTURE SELECTION MECHANISM FOR CAMERA                                             | GB      | 6/9/1998    | B              |
|            | 9805566.8       | A SPRING-FREE TYPE FOCUSING AND DEFOCUSING MECHANISM FOR A DIGITAL CAMERA           | GB      | 3/16/1998   | B              |
|            | 9808690.3       | LENS MOVEMENT MECHANISM FOR DIGITAL CAMERA                                          | GB      | 4/23/1998   | B              |
|            | 9723994.1       | DIGITAL CAMERA WITH A DETACHABLE LENS                                               | GB      | 11/13/1997  | B              |
|            | 9723995.8       | DIGITAL CAMERA WITH A DETACHABLE DISPLAY                                            | GB      | 11/13/1997  | B              |
|            | 9806036.1       | LENS ADJUSTING MECHANISM                                                            | GB      | 3/20/1998   | B              |
| 2333651    | 9801717.1       | APPARATUS AND METHOD FOR CONTROLLING A ELECTROMECHANICAL DEVICE                     | GB      | 1/27/1998   | B              |
|            | 9807468.5       | PAPER-FEEDING APPARATUS(二)                                                          | GB      | 4/7/1998    | B              |
|            | 9807469.3       | PAPER-FEEDING APPARATUS                                                             | GB      | 4/7/1998    | B              |

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| Patent No. | Application No. | Title                                                                  | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------|---------|-------------|----------------|
|            | 9808340.5       | DEVICE FOR HOLDING AND MOVING A CONTACT IMAGE SENSOR                   | GB      | 4/20/1998   | B              |
| 2320738    | 9627106.9       | CHASSIS LOCKING MEANS FOR AN OPTICAL SCANNER                           | GB      | 12/31/1996  | B              |
| 2320833    | 9627101.0       | LENS SWITCHING APPARATUS FOR DUAL-LENS OPTICAL SCANNER                 | GB      | 12/31/1996  | B              |
| 2335050    | 9804223.7       | A DEVICE FOR CONTROLLING A ROTATION OF A LENS IN DIGITAL CAMERA        | GB      | 3/2/1998    | B              |
| 2330971    | 9723228.4       | METHOD AND APPARATUS FOR FORMING HIGH CONTRAST IMAGE IN IMAGING SYSTEM | GB      | 11/3/1997   | B              |
|            | 9801822.9       | APERTURE SELECTOR FOR CAMERA LENS                                      | GB      | 1/28/1998   | B              |
|            | 8-32800         | 幻燈片掃描罩                                                                 | JP      |             | B              |
|            | 9-3634          | 影像捕捉器                                                                  | JP      | 11/26/1996  | B              |
| 981977     | 7-33736         | 迷你型電腦視訊轉換器                                                             | JP      | 11/10/1995  | B              |
| 991904     | 7-28834         | A3大型影像掃描機                                                              | JP      |             | B              |
| 1016571    | 8-31479         | 掃描器                                                                    | JP      | 10/23/1996  | B              |
| 1016572    | 8-31481         | 波浪型掃描器                                                                 | JP      | 10/23/1996  | B              |
|            | 09-059800       | 送紙式掃描器                                                                 | JP      | 4/15/1997   | B              |
|            | 09-059799       | 送紙式掃描器                                                                 | JP      | 4/10/1997   | B              |
|            | 平9-63138        | 電腦                                                                     | JP      | 7/31/1997   | B              |
| 3043401    | 9-3895          | 包裝用緩衝結構體                                                               | JP      | 5/14/1997   | B              |
|            | 平9-63139        | 掃描器(life)                                                              | JP      | 7/31/1997   | B              |
|            | 9-63137         | 電腦                                                                     | JP      | 7/31/1997   | B              |
| 3975011    | 09-061860       | 專業用影像掃描機                                                               | JP      |             | B              |
|            | 9-79372         | 掃描器                                                                    | JP      |             | B              |
|            | 9-79375         | 掃描器                                                                    | JP      |             | B              |
|            | 9-79374         | 掃描器                                                                    | JP      | 12/22/1997  | B              |
|            | 9-79373         | 掃描器                                                                    | JP      | 12/22/1997  | B              |
|            | 11-274472       | 數位相機錯誤光源影像校正                                                           | JP      | 9/28/1999   | B              |
|            | 特願2001-329156   | 從多堆疊感測器陣列讀取像素訊號的方法                                                     | JP      | 10/26/2001  | B              |
| 1016571    | 8-31480         | 掃描器聯合一                                                                 | JP      | 10/23/1996  | B              |
| 3072389    | 2000-002275     | 圓形光學反射裝置                                                               | JP      | 4/10/2000   | B              |
|            | 2002-321417     | 影像掃描器之光學鏡頭裝置                                                           | JP      | 11/5/2002   | B              |
|            | 2002-364271     | DATA READING APPARATUS AND OPERATING METHOD THEREOF                    | JP      | 12/16/2002  | B              |
|            | 2003-561222     | 提高生物感測器讀取值解析度之方法                                                       | JP      | 1/28/2003   | B              |
|            | 2003-73594      | 利用上升曲線判斷血醣濃度                                                           | JP      | 2/24/2003   | B              |
|            | 2003-278404     | LIGHT SOURCE MODULE AND METHOD FOR DESIGN THE SAME                     | JP      | 7/23/2003   | B              |
|            | 2001-370381     | OPTICAL SYSTEM                                                         | JP      | 12/4/2001   | B              |
|            | 97033           | 光學掃描機結構改良                                                              | MX      | 1/30/1997   | B              |
|            | 97/01312        | 數位補償式影像處理裝置                                                            | MX      | 2/21/1997   | B              |

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| Patent No. | Application No. | Title                                                                         | Country | Filing Date | Asset Category |
|------------|-----------------|-------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 9700044         | OPTO-MECHANICAL APPARATUS FOR MOVING AND SCANNING IN AN OPTICAL SYSTEM        | MX      | 2/4/1997    | B              |
|            | 97034           | 光學掃描機移動體扣合件結構改良                                                               | MX      | 1/30/1997   | B              |
|            | 97/00266        | APPARATUS FOR INCREASING THE SAMPLE FREQUENCY OF SCANNER                      | MX      | 1/9/1997    | B              |
|            | 97/00002        | SEPARATELY WEIGHTED MULTI-SAMPLED IMAGE SIGNAL PROCESSING APPARATUS           | MX      | 1/7/1997    | B              |
|            | 97035           | 雙鏡頭光學掃描機之鏡頭切換裝置改良                                                             | MX      | 1/30/1997   | B              |
|            | 974305          | VGA轉TV之任意放大及縮小控制裝置                                                            | MX      | 6/12/1997   | B              |
|            | 97103           | 穿透式光學掃描機結構改良                                                                  | MX      | 4/21/1997   | B              |
|            | 97/02103        | APPARATUS AND METHOD FOR COMPENSATING MOVING DISTORSION OF DIGITAL SCANNING   | MX      | 3/20/1997   | B              |
|            | 97/01848        | MULTIPLE OPTICAL LENS SYSTEM WITH AUTO-FOCUS CALIBRATION                      | MX      | 3/12/1997   | B              |
|            | 97163           | 光學掃描機之遮光機構                                                                    | MX      | 6/12/1997   | B              |
|            | 97178           | 光學掃描機之原稿面移動機構                                                                 | MX      |             | B              |
|            | 97177           | 光學掃描機之原稿面承載玻璃結構                                                               | MX      |             | B              |
|            | 97/04803        | 影像處理系統的分段加權校正裝置                                                               | MX      | 6/26/1997   | B              |
|            | 976754          | METHOD FOR IMPROVING THE IMAGE RESOLUTION IN AN OPTICAL IMAGE SCANNING SYSTEM | MX      | 9/5/1997    | B              |
|            | 974349          | 自動對焦裝置                                                                        | MX      | 6/12/1997   | B              |
|            | 97/04802        | METHOD FOR DYNAMICALLY SCANNING AN IMAGE                                      | MX      | 6/26/1997   | B              |
|            | 97/09929        | METHOD AND APPARATUS FOR FORMING HIGH CONTRAST IMAGE IN IMAGING SYSTEM        | MX      | 12/9/1997   | B              |
|            | 97/01202        | IMAGE SIGNAL PROCESSING APPARATUS                                             | MX      | 2/17/1997   | B              |
|            | 97/09497        | METHOD FOR FETCHING IDENTIFICATION OF SCSI EQUIPMENT                          | MX      | 12/4/1997   | B              |
|            | UM-14929        | 光學掃描機結構改良                                                                     | PH      | 1/22/1997   | B              |
|            | I-56111         | 數位補償式影像處理裝置                                                                   | PH      | 4/11/1997   | B              |
|            | I-56348         | OPTO-MECHANICAL APPARATUS FOR MOVING AND SCANNING IN AN OPTICAL SYSTEM        | PH      |             | B              |
|            | UM-14927        | 光學掃描機移動體扣合件結構改良                                                               | PH      | 1/22/1997   | B              |
|            | 1-55010         | APPARATUS FOR INCREASING THE SAMPLE FREQUENCY OF SCANNING                     | PH      | 12/11/1996  | B              |
|            | I-54894         | SEPARATELY WEIGHTED MULTI-SAMPLED IMAGE SIGNAL PROCESSING APPARATUS           | PH      | 11/29/1996  | B              |
|            | UM-14928        | 雙鏡頭光學掃描機之鏡頭切換裝置改良                                                             | PH      | 1/22/1997   | B              |
|            | I-57057         | VGA轉TV之任意放大及縮小控制裝置                                                            | PH      | 6/20/1997   | B              |
|            | UM-15086        | 穿透式光學掃描機結構改良                                                                  | PH      | 4/21/1997   | B              |

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| Patent No. | Application No. | Title                                                                              | Country | Filing Date | Asset Category |
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|            | 56056           | APPARATUS AND METHOD FOR COMPENSATING MOVING DISTORSION OF DIGITAL SCANNING        | PH      | 4/3/1997    | B              |
|            | I-56112         | MULTIPLEOPTICAL LENS SYSTEM WITH AUTO FOCUS CALIBRATION                            | PH      | 4/11/1997   | B              |
|            | UM-15168        | 光學掃描機之遮光機構                                                                         | PH      | 6/9/1997    | B              |
|            | UM-15165        | 光學掃描機之原稿面移動機構                                                                      | PH      | 6/9/1997    | B              |
|            | UM-15166        | 光學掃描機之原稿面承載結構                                                                      | PH      | 6/9/1997    | B              |
|            | I-56860         | 影像處理系統的分段加權校正裝置                                                                    | PH      | 6/5/1997    | B              |
|            | I-57690         | METHOD FOR IMPROVING THE IMAGE RESOLUTION IN AN OPTICAL IMAGE SCANNING SYSTEM      | PH      | 8/26/1997   | B              |
|            | I-56904         | 自動對焦裝置                                                                             | PH      | 6/9/1997    | B              |
|            | I-56861         | METHOD FOR DYNAMICALLY SCANNING AN IMAGE                                           | PH      | 6/5/1997    | B              |
|            | I-58559         | METHOD AND APPARATUS FOR FORMING HIGH CONTRAST IMAGE IN IMAGING SYSTEM             | PH      | 11/18/1997  | B              |
|            | I-55463         | IMAGE SIGNAL PROCESSING APPARATUS                                                  | PH      | 2/3/1997    | B              |
| 389601     | 99248114.7      | transmission wiring adjusting mechanism                                            | CN      | 9/29/1999   | B              |
|            | 02102310.7      | Image capturing method for scanning system                                         | CN      | 1/15/2002   | B              |
|            | 02102475.8      | Device and method for preventing vibration for step motor                          | CN      | 1/22/2002   | B              |
|            | 02107790.8      | Device and method for picking up documents                                         | CN      | 3/21/2002   | B              |
|            | 01135042.3      | Charge coupling element identifying device                                         | CN      | 11/16/2001  | B              |
| 564073     | 02242452.0      | Platform scanner                                                                   | CN      | 8/8/2002    | B              |
| 558138     | 02242429.6      | Shade structure of optical lens fixing device                                      | CN      | 8/2/2002    | B              |
| 558953     | 02243086.5      | Positioning structure                                                              | CN      | 7/31/2002   | B              |
| 489509     | 01229657.0      | Connector of optic machine module                                                  | CN      | 7/2/2001    | B              |
| 490137     | 01229343.1      | Optical path device with dust preventig function                                   | CN      | 6/28/2001   | B              |
| 547595     | 02238783.8      | Scanner setting and checking device                                                | CN      | 6/19/2002   | B              |
| 549157     | 02238785.4      | Light source supply device for scanning device                                     | CN      | 6/19/2002   | B              |
| 534619     | 02204154.0      | Double-function structure for handle and hanging hook                              | CN      | 3/22/2002   | B              |
| 521471     | 02201394.6      | Elastic loading structure of optical image scanning module                         | CN      | 1/15/2002   | B              |
|            | 01135043.1      | Circuit configuration with extension universal output and input pins               | CN      | 11/16/2001  | B              |
| 329199     | 97243725.8      | Control device for camera capable of rotating lens                                 | CN      | 10/28/1997  | B              |
|            | 03280112.2      | Guiding light plate structure and back light module                                | CN      | 9/24/2003   | B              |
| 308793     | 97228365.X      | Locking structure for mobile body of scanner                                       | CN      | 10/14/1997  | B              |
| 376930     | 99210683.4      | Latching structure of rolling componenet                                           | CN      | 5/11/1999   | B              |
| 488729     | 01231661.X      | Optic lens group of optic scanner                                                  | CN      | 7/19/2001   | B              |
| 523624     | 02201393.8      | Paper depositing flat bed improved structure for automatic feeding paper apparatus | CN      | 1/15/2002   | B              |
| 531348     | 02204164.8      | Scanner cover plate with device for changing different background color            | CN      | 3/21/2002   | B              |
| 531966     | 02204189.3      | File placing and location structure of scanner                                     | CN      | 3/25/2002   | B              |

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| 546461     | 02238784.6      | Scanner                                                                                         | CN      | 6/19/2002   | B              |
| 547963     | 02238716.1      | Sheet feeding type scanner manuscript supporting face with collecting structure                 | CN      | 6/17/2002   | B              |
| 547973     | 02238786.2      | Improved device of scanner transmission                                                         | CN      | 6/19/2002   | B              |
| 557788     | 02242454.7      | Paper pressure mechanism                                                                        | CN      | 8/8/2002    | B              |
| 558584     | 02242333.8      | Friction piece driving structure                                                                | CN      | 8/1/2002    | B              |
| 562818     | 02242430.X      | Shading device                                                                                  | CN      | 8/2/2002    | B              |
|            | 01135044.X      | Scanning method                                                                                 | CN      | 11/16/2001  | B              |
|            | 03201342.6      | Driving device for preventing image loss                                                        | CN      | 2/12/2003   | B              |
|            | 03207900.1      | Image capturing device                                                                          | CN      | 9/19/2003   | B              |
|            | 03208015.8      | Reflective lense ant-vibration device                                                           | CN      | 9/11/2003   | B              |
|            | 03272998.7      | Data processing device                                                                          | CN      | 7/7/2003    | B              |
|            | 200420001824.2  | Light source module and reflective mask thereof                                                 | CN      | 1/6/2004    | B              |
| 395434     | 99244325.3      | Moving fixing mechanism for optical-path apparatus                                              | CN      | 9/10/1999   | B              |
|            | 00100311.9      | Method for testing moving trace smoothness of scanner                                           | CN      | 1/17/2000   | B              |
|            | 01101860.7      | Automatic focusing mechanism and method                                                         | CN      | 2/9/2001    | B              |
| 435153     | 00238398.5      | Scanning device                                                                                 | CN      | 7/4/2000    | B              |
|            | 98303019.7      | Scanner S12III SERIES                                                                           | CN      | 6/23/1998   | B              |
|            | 129593.4        | Object scanner                                                                                  | CN      | 9/30/2000   | B              |
|            | 1116112.4       | Pocket-type scanner                                                                             | CN      | 5/9/2001    | B              |
|            | 2105774.5       | Scanning method able to get correction parameters                                               | CN      | 4/17/2002   | B              |
|            | 00103479.0      | External adapter for supporting telephone service of computer                                   | CN      | 3/14/2000   | B              |
|            | 00121251.6      | Method of generating numbers in sequence among disordered numbers                               | CN      | 8/9/2000    | B              |
|            | 00121278.8      | Method and device for inputting characteristic values of scanner                                | CN      | 8/14/2000   | B              |
|            | 00121294.X      | Scanner with organic LEDs                                                                       | CN      | 8/10/2000   | B              |
|            | 00121401.2      | Automatic level regulator                                                                       | CN      | 7/19/2000   | B              |
|            | 00123509.5      | Optical filter method and mechanism for optical scanner                                         | CN      | 8/15/2000   | B              |
|            | 00123510.9      | Simple method and device for measuring field depth                                              | CN      | 8/15/2000   | B              |
|            | 00124558.9      | Scanner with multi-column sensing unit and image scanning method                                | CN      | 9/20/2000   | B              |
|            | 00124588.0      | Variable resolution degree optical scanner and scanning method                                  | CN      | 9/22/2000   | B              |
|            | 00129701.5      | Automatic focusing method device                                                                | CN      | 10/8/2000   | B              |
|            | 00129702.3      | Image scanning method of setting light sensing modules in different positions to scanning image | CN      | 10/8/2000   | B              |
|            | 00129703.1      | Cover plate with replaceable background shielding mechanism and its replacement method          | CN      | 10/8/2000   | B              |
|            | 00129704.X      | Object scanner                                                                                  | CN      | 10/8/2000   | B              |
|            | 00129801.1      | Image scanning method of setting light guiding mirror in different position                     | CN      | 9/29/2000   | B              |
|            | 00129802.X      | Scanner and scanning method with crossed inductor                                               | CN      | 9/29/2000   | B              |

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| Patent No. | Application No. | Title                                                                                                    | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 00132680.5      | Method for producing image specific effect of scanner and its equipment                                  | CN      | 11/22/2000  | B              |
|            | 00134605.9      | Method for regulating conversion threshold range of discrimination system                                | CN      | 11/28/2000  | B              |
|            | 01100843.1      | Scan method by regulating Y-axis variable transfer function                                              | CN      | 1/19/2001   | B              |
|            | 01101808.9      | Trimming mechanism and method for lens of optical scanner                                                | CN      | 2/1/2001    | B              |
|            | 01101849.6      | Device and method for controlling multiple sets of motors and sensors of scanner                         | CN      | 2/5/2001    | B              |
|            | 01102442.9      | Focusing method for testing lens of image scanner                                                        | CN      | 2/2/2001    | B              |
|            | 01103910.8      | Communication equipment and method between computer system and its peripherals                           | CN      | 2/12/2001   | B              |
|            | 01115395.4      | Method for increasing scan resolution                                                                    | CN      | 4/25/2001   | B              |
|            | 01115396.2      | Scanner able to draw and edit                                                                            | CN      | 4/25/2001   | B              |
|            | 01116119.1      | Image scanning system and method of scanner                                                              | CN      | 5/9/2001    | B              |
|            | 01116139.6      | Image taking device with image compensation unit and image compensation method thereof                   | CN      | 5/15/2001   | B              |
|            | 01118840.5      | Back light source uniformity correcting method of image scanning device and its back light module        | CN      | 6/20/2001   | B              |
|            | 01119826.5      | Device and method for mapping look-up of table in photographic system                                    | CN      | 6/29/2001   | B              |
|            | 01119864.8      | System and method for picking up digital picture                                                         | CN      | 7/3/2001    | B              |
|            | 01119866.4      | Compensator for image scan                                                                               | CN      | 7/3/2001    | B              |
|            | 01120056.1      | Scan method for checking document draft                                                                  | CN      | 7/17/2001   | B              |
|            | 01120658.6      | Regional image scanning method for scanner                                                               | CN      | 7/23/2001   | B              |
|            | 01123402.4      | Pen style scanning device                                                                                | CN      | 7/19/2001   | B              |
|            | 01124081.4      | Apparatus and method for automatically fetching static picture                                           | CN      | 3/26/2003   | B              |
|            | 01124136.5      | Method for automatic identifying scanning area                                                           | CN      | 8/16/2001   | B              |
|            | 01129290.3      | Method for reducing scanning time for images                                                             | CN      | 6/20/2001   | B              |
|            | 01129592.9      | Scanner with less space of compensation memory and its method                                            | CN      | 6/28/2001   | B              |
|            | 01131305.6      | Peripheral facilities and method for downloading peripheral facility program codes                       | CN      | 8/31/2001   | B              |
|            | 01131361.7      | Automatic paper delivery device and its focus depth adjusting method                                     | CN      | 9/28/2001   | B              |
|            | 01134649.3      | Multiple sampling method for image scanning                                                              | CN      | 11/8/2001   | B              |
|            | 01134752.X      | Transmission mechanism comprising connected replaceable modules                                          | CN      | 11/9/2001   | B              |
|            | 01137481.0      | Method for judging stability of light source set                                                         | CN      | 11/16/2001  | B              |
|            | 01137490.X      | Method for automatic selection of effective range of negative and continuous negative by scanner         | CN      | 11/16/2001  | B              |
|            | 01139359.9      | Scanning method                                                                                          | CN      | 11/23/2001  | B              |
|            | 01140500.7      | System and method with common interfaces and scanner therewith and peripheral therefor                   | CN      | 12/12/2001  | B              |
|            | 01141749.8      | Split scanner with automatic feeding-in device and automatic feeding-in device and split scanner thereof | CN      | 9/17/2001   | B              |
|            | 01141905.9      | Scanning method of optical scanner                                                                       | CN      | 9/19/2001   | B              |

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| Patent No. | Application No. | Title                                                                                         | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 01141958.X      | Paper feeding type scanner having automatic feeding mechanism and automatic feeding mechanism | CN      | 9/25/2001   | B              |
|            | 01141959.8      | Image scanning device having automatic paper feeder and automatic paper feeder                | CN      | 9/25/2001   | B              |
|            | 02101645.3      | Automatic image size distinguishing scan method and scanner                                   | CN      | 1/14/2002   | B              |
|            | 02118119.5      | Method for automatic adjusting sharpened weighted value                                       | CN      | 4/18/2002   | B              |
|            | 02118187.X      | Automatic paper feeder                                                                        | CN      | 4/24/2002   | B              |
|            | 02122611.3      | Method and system for combining printing head of scanning module                              | CN      | 6/19/2002   | B              |
|            | 02122614.8      | Light collecting and splitting equipment of light source module                               | CN      | 6/19/2002   | B              |
|            | 02122615.6      | Process for scanning using virtual scanning frame                                             | CN      | 6/19/2002   | B              |
|            | 02124469.3      | Mass scanning and real-time displaying image scanner and its operation method                 | CN      | 6/28/2002   | B              |
|            | 02124769.2      | Scanner processing the input unit dull-prevention function and the operating method thereof   | CN      | 6/25/2002   | B              |
|            | 02124773.0      | Method for automatic discriminating scanning compression ratio of scanner                     | CN      | 6/25/2002   | B              |
|            | 02140988.9      | Method of judging transmission phase of transmission mechanism                                | CN      | 7/12/2002   | B              |
|            | 02141181.6      | Method of correcting negative image via negative spacing area                                 | CN      | 7/8/2002    | B              |
|            | 02141271.5      | Movable locking equipment and method for scanner                                              | CN      | 6/27/2002   | B              |
|            | 98120761.8      | Method for compressing data in image taking device                                            | CN      | 9/25/1998   | B              |
|            | 99109349.6      | Method for maximizing image quality scan                                                      | CN      | 6/24/1999   | B              |
|            | 99109350.X      | Transparent detection type electronic diaphragm and shutter                                   | CN      | 6/24/1999   | B              |
|            | 99109395.X      | Dynamic correcting method and correcting specification setting method thereof                 | CN      | 6/29/1999   | B              |
|            | 2229839.8       | Roller device with accelerating engaging structure                                            | CN      | 3/28/2002   | B              |
|            | 3203366.4       | Scanning device with buffer structure                                                         | CN      | 2/25/2003   | B              |
|            | 02240955.6      | File translation scanner                                                                      | CN      | 6/27/2002   | B              |
|            | 02282972.5      | Micro-adjustment component for sensitive device                                               | CN      | 11/7/2002   | B              |
|            | 02284654.9      | Multi transmitting image scanner                                                              | CN      | 11/12/2002  | B              |
|            | 03201467.8      | wheel positioning device                                                                      | CN      | 2/10/2003   | B              |
|            | 03201468.6      | scanner                                                                                       | CN      | 2/10/2003   | B              |
|            | 03201469.4      | Axial sleeve component with flexible enaging mechanism                                        | CN      | 2/10/2003   | B              |
|            | 03201480.5      | Bearing structure with positioning plate                                                      | CN      | 2/13/2003   | B              |
|            | 03201482.1      | Cordinating structure for roller and bearer of scanner                                        | CN      | 2/13/2003   | B              |
|            | 03201483.X      | Roller component                                                                              | CN      | 2/13/2003   | B              |
|            | 03201484.8      | Stackable buffer package element                                                              | CN      | 2/13/2003   | B              |
|            | 03201485.6      | Automatic paper feeder                                                                        | CN      | 2/13/2003   | B              |
|            | 03201488.0      | Housing with opening and opening cover                                                        | CN      | 2/13/2003   | B              |
|            | 03201489.9      | Height adjustment device                                                                      | CN      | 2/13/2003   | B              |
|            | 03201578.X      | Paper feed system                                                                             | CN      | 2/27/2003   | B              |

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|            | 03201580.1      | Automatic paper feeder                                                       | CN      | 2/27/2003   | B              |
|            | 03202276.X      | Scanning device                                                              | CN      | 1/30/2003   | B              |
|            | 03203303.6      | Collision buffer device for axial sleeve of scanner                          | CN      | 1/31/2003   | B              |
|            | 03203305.2      | Shake prevention device                                                      | CN      | 1/31/2003   | B              |
|            | 03203306.0      | Scanning device                                                              | CN      | 1/31/2003   | B              |
|            | 03203307.9      | Flexible axial sleeve mechanism                                              | CN      | 1/31/2003   | B              |
|            | 03203308.7      | Stable module for stablign scanning module                                   | CN      | 1/31/2003   | B              |
|            | 03203382.6      | Fixture                                                                      | CN      | 3/6/2003    | B              |
|            | 03203465.2      | Scanner                                                                      | CN      | 3/10/2003   | B              |
|            | 03203466.0      | Scanner with cable restrainer                                                | CN      | 3/10/2003   | B              |
|            | 03238416.5      | Scanning assembly                                                            | CN      | 3/14/2003   | B              |
|            | 03238420.3      | Bearer driving assisting system for scanner                                  | CN      | 3/21/2003   | B              |
|            | 03238801.2      | Bearing lock device with auto release locking function for scanner           | CN      | 3/10/2003   | B              |
|            | 03238846.2      | Gas absorbing vibration type of packaging material                           | CN      | 3/17/2003   | B              |
|            | 03257517.3      | Clamping device capable of adjusting clamping section                        | CN      | 5/9/2003    | B              |
| 113395     | 97105523.8      | Sectionally weighting correcting device of image processing system           | CN      | 5/27/1997   | B              |
| 120222     | 99109351.8      | Correcting device and method for using the same for scanner                  | CN      | 6/24/1999   | B              |
| 133052     | 00107410.5      | Method of turning computer on with scanner and scanning automatically        | CN      | 5/9/2000    | B              |
| 292963     | 97200163.8      | Lens switching gear of double-lens optical scanner                           | CN      | 1/6/1997    | B              |
| 292973     | 97200253.7      | Shift latch device of optical scanner                                        | CN      | 1/6/1997    | B              |
| 293033     | 97200164.6      | Optical scanner                                                              | CN      | 1/6/1997    | B              |
| 295704     | 96248939.5      | Optical system moving device for scanning                                    | CN      | 12/25/1996  | B              |
| 303052     | 97201363.6      | Improved structure for penetration type optical scanner                      | CN      | 2/18/1997   | B              |
| 303106     | 97204953.3      | Master copy moving mechanism for optical scanner                             | CN      | 4/25/1997   | B              |
| 306169     | 97250662.4      | Housing having moveable door                                                 | CN      | 8/14/1997   | B              |
| 314608     | 97228332.3      | Active lens device of numeral camera                                         | CN      | 10/8/1997   | B              |
| 315003     | 97214488.9      | Arrangement for carrying master copy glass sheet for optics scanning machine | CN      | 4/25/1997   | B              |
| 320772     | 97204225.3      | Combined compound packing device                                             | CN      | 2/13/1997   | B              |
| 323123     | 97216604.1      | Auto focusing device                                                         | CN      | 5/27/1997   | B              |
| 324073     | 97231013.4      | Gravity type image switching device                                          | CN      | 12/22/1997  | B              |
| 330404     | 98200826.0      | Lens moving mechanism of digital camera                                      | CN      | 1/26/1998   | B              |
| 333021     | 98200972.0      | built-in scanner structure                                                   | CN      | 2/9/1998    | B              |
| 333545     | 98208408        | Springless focus adjustment device                                           | CN      | 1/13/1998   | B              |
| 335041     | 98204183.7      | Penetrating optical scanner                                                  | CN      | 5/6/1998    | B              |
| 337384     | 98200695.0      | Paper feed device                                                            | CN      | 1/24/1998   | B              |
| 339922     | 98205856.X      | Improved structure of iris diaphragm shifting for camera lens                | CN      | 6/11/1998   | B              |
| 342220     | 98200825.2      | Improvement of camera lens diaphragm switching mechanism                     | CN      | 1/26/1998   | B              |
| 342456     | 98200827.9      | Camera lens focus adjustment mechanism                                       | CN      | 1/26/1998   | B              |

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| Patent No. | Application No. | Title                                                                            | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------|---------|-------------|----------------|
| 343179     | 98200913.5      | Mechanism for regulating image position of camera system                         | CN      | 1/23/1998   | B              |
| 347710     | 98200691.8      | Paper feed device                                                                | CN      | 1/24/1998   | B              |
| 347965     | 98205683.4      | Built-in scanner                                                                 | CN      | 6/9/1998    | B              |
| 363118     | 99200735.6      | Automatic paper feeder with top lamp source                                      | CN      | 1/20/1999   | B              |
| 370672     | 99200918.9      | Portable image scanning device                                                   | CN      | 1/25/1999   | B              |
| 373642     | 99200913.8      | Light source device of optical scanner                                           | CN      | 1/25/1999   | B              |
| 373968     | 99200736.4      | Correcting device for scan image disturbance of auto feeder                      | CN      | 1/20/1999   | B              |
| 374223     | 99201109.4      | Liquid crystal display with scanning function                                    | CN      | 1/29/1999   | B              |
| 375753     | 98200912.7      | Mechanism for regulating spherical motion of camera system lens module           | CN      | 1/23/1998   | B              |
| 380143     | 99200917.0      | Optical scanning device                                                          | CN      | 1/25/1999   | B              |
| 387833     | 98248168.3      | Device for testing circuit board function                                        | CN      | 11/16/1998  | B              |
| 429915     | 00234393.2      | Gear group speed changer for optical scanner                                     | CN      | 5/12/2000   | B              |
| 455104     | 00253072.4      | Means for assembling reflecting mirror of scanner                                | CN      | 11/22/2000  | B              |
| 462995     | 01200795.1      | Scanning device with expansion casing                                            | CN      | 2/5/2001    | B              |
| 464514     | 01202035.4      | Bearing table device of carryover module                                         | CN      | 1/22/2001   | B              |
| 479520     | 01223160.6      | Bearing modular damping device of scanner                                        | CN      | 5/28/2001   | B              |
| 484552     | 01202027.3      | Optical input device                                                             | CN      | 1/22/2001   | B              |
| 485737     | 01220293.2      | Steel wire regulation mechanism                                                  | CN      | 4/27/2001   | B              |
| 487640     | 01226672.8      | Fixer for carrier and reflecting sheet scanning                                  | CN      | 6/15/2001   | B              |
| 488552     | 01231410.2      | Scanning device                                                                  | CN      | 7/12/2001   | B              |
| 494579     | 01231659.8      | Fixing device of scanning carrying reflector                                     | CN      | 7/18/2001   | B              |
| 496636     | 01231609.1      | Scanner with sole energy auxiliary power supply                                  | CN      | 7/13/2001   | B              |
| 496648     | 01231679.2      | Brightness adjustable lighting device                                            | CN      | 7/20/2001   | B              |
| 496690     | 01232190.7      | Cover-lifting controlled power open-and-close device of scanner                  | CN      | 7/25/2001   | B              |
| 497000     | 01231676.8      | Device for fixing scan carrier of scanner                                        | CN      | 7/20/2001   | B              |
| 500774     | 01260934.X      | Scanner with phonetical input function                                           | CN      | 9/18/2001   | B              |
| 504163     | 01270552.7      | Optical mechanism adjusting chart                                                | CN      | 11/13/2001  | B              |
| 506338     | 01231660.1      | Combined gear                                                                    | CN      | 7/18/2001   | B              |
| 507617     | 01270551.9      | Optical mechanism regulator                                                      | CN      | 11/13/2001  | B              |
| 507666     | 01270931.X      | Adjustable optical system testing equipment                                      | CN      | 11/15/2001  | B              |
| 508621     | 01270929.8      | Blind flange rotor buffering structure                                           | CN      | 11/15/2001  | B              |
| 509874     | 01275500.1      | Image pick-up unit shaft sleeve device                                           | CN      | 12/3/2001   | B              |
| 512848     | 02201433.0      | Erasable scanner                                                                 | CN      | 1/14/2002   | B              |
| 513517     | 01279668.9      | Scanner detecting apparatus                                                      | CN      | 12/29/2001  | B              |
| 524487     | 01227280.9      | Diagram detecting tool for image testing                                         | CN      | 6/18/2001   | B              |
| 530420     | 02229836.3      | Transmission signal delayed type electromagnetic interference-preventing circuit | CN      | 3/26/2002   | B              |
| 535118     | 02229868.1      | Connection structure for scanner file cap with top and lower cap                 | CN      | 4/2/2002    | B              |
| 539059     | 02229843.6      | Optical compensation structure of image scanner optical component                | CN      | 3/27/2002   | B              |
| 539296     | 02229835.5      | Holding device                                                                   | CN      | 3/26/2002   | B              |

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| Patent No.    | Application No. | Title                                                                                               | Country | Filing Date | Asset Category |
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| 543941        | 01266145.7      | Optical mechanism regulating tool                                                                   | CN      | 11/2/2001   | B              |
| 561964        | 02240961.0      | Regulator for scanner                                                                               | CN      | 6/26/2002   | B              |
| 571327        | 02240954.8      | Scanning device                                                                                     | CN      | 6/27/2002   | B              |
| 579139        | 02240953.X      | Character-reading scanner                                                                           | CN      | 6/27/2002   | B              |
| 59604         | 97103137.1      | Operation method and device for compensation of distortion due to digital scanning movement         | CN      | 3/4/1997    | B              |
| 66678         | 97101841.3      | Multi-lens optical automatic focusing system                                                        | CN      | 2/14/1997   | B              |
| 71267         | 98104403.4      | Method and device for controlling stepping electric motor                                           | CN      | 2/4/1998    | B              |
| 77917         | 97112205.9      | Device for transferring computer display signals into television signal display images              | CN      | 7/11/1997   | B              |
| 91296         | 97123166.4      | Method for reading identifier of interface of mini-computer system                                  | CN      | 11/20/1997  | B              |
| 91386         | 97115409.0      | Dynamic image scanning method                                                                       | CN      | 7/17/1997   | B              |
| No patent no. | 99214406.X      | Multi diaphragms of lens improvement                                                                | CN      | 6/24/1999   | B              |
| No patent no. | 99214616.X      | Document shift type sanner                                                                          | CN      | 6/28/1999   | B              |
| No patent no. | 99214617.8      | Optical length apparatus                                                                            | CN      | 6/28/1999   | B              |
| No patent no. | 99214618.6      | Light path device capable of adjusting illumination                                                 | CN      | 6/28/1999   | B              |
| No patent no. | 99217408.2      | Multiple phase gear driving apparatus                                                               | CN      | 7/28/1999   | B              |
| No patent no. | 99217835.5      | Light path device for scanner                                                                       | CN      | 8/10/1999   | B              |
| ZL93300468.0  | 93300468        | Image Scanner                                                                                       | CN      | 1/27/1993   | B              |
| 493125        | 01232917.7      | Reflecting lens supporting structure                                                                | CN      | 8/7/2001    | B              |
| 493356        | 012328898       | Holding structure for optical lens                                                                  | CN      | 8/8/2001    | B              |
|               | 01138612.6      | Equipment for detecting, regulating and correcting transmission mechanism of scanner and its method | CN      | 12/27/2001  | B              |
| 478145        | 01220292.4      | Switchover reflecting or transmission-type scanner                                                  | CN      | 4/27/2001   | B              |
| 121976        | 00123508.7      | Improved application of infrared ray in optical scanner                                             | CN      | 8/15/2000   | B              |
| 448434        | 00246352.0      | Parasitic light eliminator                                                                          | CN      | 8/14/2000   | B              |
| 461902        | 00246353.9      | Analyticity convertible optic scanner                                                               | CN      | 8/14/2000   | B              |
| No patent no. | 99217917.3      | Driving device for image processing system                                                          | CN      | 8/12/1999   | B              |
|               | 03238808.X      | Device for conveying paper sheets                                                                   | CN      | 3/5/2003    | B              |
| 344355        | 98207853.6      | Automatic changing device for lens modular group light ring                                         | CN      | 8/18/1998   | B              |
|               | 03266889.9      | transmission of scanner                                                                             | CN      | 7/8/2003    | B              |
|               | 03275820.0      | transmission system improvement of scanner optical machine                                          | CN      | 7/10/2003   | B              |
| 337119        | 98200403.6      | Switching diaphragm mechanism                                                                       | CN      | 1/14/1998   | B              |
| 387756        | 99244327.X      | Hidden type camera view device                                                                      | CN      | 9/10/1999   | B              |
| 395509        | 99244326.1      | Camera with handbelt capable of automatically withdrawing and tightly binding                       | CN      | 9/10/1999   | B              |
| 597274        | 03202247.6      | Holding structure equipped with scanner                                                             | CN      | 1/22/2003   | B              |
| 596308        | 03201341.8      | Scan article positioner of scanner                                                                  | CN      | 1/24/2003   | B              |
| 623696        | 03201338.8      | Optical assembly of scanning head                                                                   | CN      | 1/24/2003   | B              |
| 448400        | 00250022.1      | Scanner driving gear with feedback control                                                          | CN      | 9/1/2000    | B              |
| 596177        | 03201450.3      | Improvement of light source mechanism of optical scanner                                            | CN      | 1/29/2003   | B              |

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|            | 3272622.8       | Light source device                                                                     | CN      | 6/30/2003   | B              |
|            | 03266698.5      | Lens bearing module set                                                                 | CN      | 7/4/2003    | B              |
| 449171     | 00254608.6      | Mobile correcting zone regulator of image scanner                                       | CN      | 9/20/2000   | B              |
| 449284     | 00254609.4      | Fixer for scanning loader and steel wire                                                | CN      | 9/20/2000   | B              |
| 449512     | 00254531.4      | Scanner file glass-plate fixing device                                                  | CN      | 9/18/2000   | B              |
| 500552     | 01260363.5      | Film scanning device for image scanner                                                  | CN      | 9/17/2001   | B              |
| 507138     | 01260367.8      | Automatic scanner                                                                       | CN      | 9/17/2001   | B              |
| 517114     | 01260239.6      | Gear power driving device with regulating mechanism                                     | CN      | 9/25/2001   | B              |
| 568328     | 02251873.8      | locking device for optical scanner module                                               | CN      | 9/16/2002   | B              |
| 569815     | 02251874.6      | Manual engaging and automatic flipping device                                           | CN      | 9/16/2002   | B              |
| 570630     | 02254660.X      | Fixing device for optical sensor                                                        | CN      | 9/20/2002   | B              |
| 571595     | 02254656.1      | Lamp for minizing the volume of optical scanner module                                  | CN      | 9/20/2002   | B              |
| 572059     | 02254659.6      | focus depth adjusting device                                                            | CN      | 9/20/2002   | B              |
| 572093     | 02251899.1      | Modulized button                                                                        | CN      | 9/18/2002   | B              |
| 573006     | 02254655.3      | Linear guiding mechanism                                                                | CN      | 9/20/2002   | B              |
|            | 03208121.9      | fixed rubber frame group                                                                | CN      | 8/12/2003   | B              |
| 492291     | 01233311.5      | Holding structure of optical lens                                                       | CN      | 8/13/2001   | B              |
| 500127     | 01233310.7      | Height adjustable structure                                                             | CN      | 8/13/2001   | B              |
| 503779     | 01233309.3      | Holding structure                                                                       | CN      | 8/13/2001   | B              |
|            | 03275847.2      | scanner                                                                                 | CN      | 7/21/2003   | B              |
| 598880     | 03201557.7      | Scanner with double face scanning function                                              | CN      | 2/21/2003   | B              |
| 375185     | 99204837.0      | Optical reflecting plate                                                                | CN      | 2/23/1999   | B              |
| 449127     | 00257228.1      | Two-end light source compensator                                                        | CN      | 10/11/2000  | B              |
| 451929     | 00257229.X      | Image scanner with reflection and penetration type scanning optical path switching lens | CN      | 10/11/2000  | B              |
| 454862     | 00257230.3      | Quick assembling scanner                                                                | CN      | 10/11/2000  | B              |
|            | 03203448.2      | Scanner pivot device with electricity connection function                               | CN      | 2/28/2003   | B              |
|            | 03203449.0      | Scanner with cable restrainer                                                           | CN      | 2/28/2003   | B              |
| 605789     | 03203429.6      | Light source carrier base with high reflectivity                                        | CN      | 2/27/2003   | B              |
| 608910     | 03203431.8      | Common light source scanner                                                             | CN      | 2/27/2003   | B              |
| 609077     | 03203432.6      | Reflecting assembly                                                                     | CN      | 2/27/2003   | B              |
| 599379     | 03203460.1      | Bearing structure of scanning platform                                                  | CN      | 3/5/2003    | B              |
| 602963     | 03203454.7      | Scanner with wire distributing fixing structure                                         | CN      | 3/5/2003    | B              |
| 603387     | 03203458.X      | Luminous mechanism of scanner                                                           | CN      | 3/5/2003    | B              |
| 605125     | 03203461.X      | Elastic fixing mechanism                                                                | CN      | 3/5/2003    | B              |
| 605641     | 03203457.1      | Paper air bubble type buffer material                                                   | CN      | 3/5/2003    | B              |
|            | 03203453.9      | Image search device with regular octahedron mirror                                      | CN      | 3/5/2003    | B              |
| 607219     | 03203456.3      | Image transmission for preveing distortion                                              | CN      | 3/5/2003    | B              |
| 609083     | 03203462.8      | Scanner for line arrangement with flange                                                | CN      | 3/5/2003    | B              |
| 609578     | 03203455.5      | Portable scanner                                                                        | CN      | 3/5/2003    | B              |
| 603782     | 03203392.3      | Structure capable of adjusting heel height                                              | CN      | 3/7/2003    | B              |
| 605460     | 03203395.8      | Wire rod fixing structure                                                               | CN      | 3/7/2003    | B              |
|            | 03203387.7      | Two-opening document cover of scanner                                                   | CN      | 3/7/2003    | B              |

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| 600019     | 03203394.X      | Optical source module                                                                               | CN      | 3/7/2003    | B              |
| 6005547    | 03203386.9      | Apparatus for blowing dry sterilizing                                                               | CN      | 3/7/2003    | B              |
| 600932     | 03203390.7      | Socket set                                                                                          | CN      | 3/7/2003    | B              |
|            | 03203391.5      | Anti-colour cast scanning module and light source module                                            | CN      | 3/7/2003    | B              |
| 576253     | 02282915.6      | Lamp tube foreign material removing fixing fixture                                                  | CN      | 10/23/2002  | B              |
| 579442     | 02282895.8      | Scanner                                                                                             | CN      | 10/22/2002  | B              |
| 580398     | 02284901.7      | Scanner with locking mechanism                                                                      | CN      | 10/25/2002  | B              |
| 577367     | 02282912.1      | Spectral change recognizer for holographic antifake mark                                            | CN      | 10/23/2002  | B              |
| 577670     | 02282914.8      | Intravenous infusion alarmer                                                                        | CN      | 10/23/2002  | B              |
| 578168     | 02282897.4      | Multifunction antiexplosive calling device                                                          | CN      | 10/22/2002  | B              |
| 580728     | 02282913.X      | Shock reducing structure of shaft stick                                                             | CN      | 10/23/2002  | B              |
| 581359     | 02282917.2      | Mechanism for automatically regulating belt tension                                                 | CN      | 10/23/2002  | B              |
|            | 03207891.9      | Paper feeding device                                                                                | CN      | 9/10/2003   | B              |
| 531199     | 02204163.X      | Single-pole double-bladed two-dimensional coding circuits                                           | CN      | 3/21/2002   | B              |
| 531468     | 02204165.6      | Fixing mechanism for lens of scanner                                                                | CN      | 3/21/2002   | B              |
|            | 200320100831.3  | Light source supply device                                                                          | CN      | 10/13/2003  | B              |
|            | 200320100832.8  | Light source device                                                                                 | CN      | 10/13/2003  | B              |
| 611532     | 03257519.X      | Pulley system of carrier for scanner                                                                | CN      | 5/9/2003    | B              |
| 611113     | 03261206.0      | Image recognising device                                                                            | CN      | 5/14/2003   | B              |
| 611489     | 03261209.5      | Folding mode of flat cable of scanning module set                                                   | CN      | 5/14/2003   | B              |
|            | 03262210.4      | Casting structure for optical engine of scanner                                                     | CN      | 5/12/2003   | B              |
| 549392     | 02238717.X      | Image scanner for exciting fluorescent light as top light source                                    | CN      | 6/17/2002   | B              |
| 503783     | 01267339.0      | Palm working apparatus with scanning function                                                       | CN      | 10/9/2001   | B              |
| 504895     | 01267338.2      | Rotary light path alignment apparatus                                                               | CN      | 10/9/2001   | B              |
| 505422     | 01270882.8      | Driving device for name card type scanner                                                           | CN      | 11/19/2001  | B              |
| 432622     | 00200600.6      | Optical distance device of optic scanner                                                            | CN      | 1/14/2000   | B              |
| 510253     | 01267453.2      | Gear engaging buffer structure                                                                      | CN      | 10/11/2001  | B              |
| 511685     | 01267454.0      | Belf buckling device for lock joining chassis & timing belt                                         | CN      | 10/11/2001  | B              |
| 577053     | 02284940.8      | Pressure deaeration machine with pressure control structure                                         | CN      | 11/1/2002   | B              |
| 578954     | 02284712.X      | Guide mechanism with light-conducting effect                                                        | CN      | 10/29/2002  | B              |
| 579258     | 02284714.6      | Automatic locking device of scanner carrier                                                         | CN      | 10/29/2002  | B              |
| 580468     | 02287352.X      | Buffering shock-proof structure                                                                     | CN      | 11/29/2002  | B              |
| 590477     | 02284941.6      | Positioning structure                                                                               | CN      | 11/1/2002   | B              |
| 590971     | 02282973.3      | Lamp tube protecting device                                                                         | CN      | 11/7/2002   | B              |
| 607049     | 03203304.4      | Fluorescent tube with light compensated effect                                                      | CN      | 1/31/2003   | B              |
| 61093      | 96114538.2      | Non-square CCD lattice structure for increasing sampling frequency in scanning direction of scanner | CN      | 11/14/1996  | B              |
| 61095      | 96114539.0      | Image processing device processed respectively by multi-time weighted sampling                      | CN      | 11/14/1996  | B              |

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| 607873     | 03201487.2      | File transfer device                                                          | CN      | 2/13/2003   | B              |
| 580401     | 02282931.8      | Anti-drop lens                                                                | CN      | 10/22/2002  | B              |
| 580408     | 02282971.7      | Light source compensator of optical scanner                                   | CN      | 11/7/2002   | B              |
| 452618     | 00263134.2      | Paper separating device for automatic paper-feeding                           | CN      | 12/1/2000   | B              |
| 454536     | 00253867.9      | Focusing apparatus for scanner                                                | CN      | 10/9/2000   | B              |
| 113637     | 98103943.X      | Digital camera with separable display                                         | CN      | 1/7/1998    | B              |
|            | 00107518.7      | Scanner motor accelerating method                                             | CN      | 5/15/2000   | B              |
| 501003     | 01260756.8      | Bearing device                                                                | CN      | 9/11/2001   | B              |
|            | 03238802.0      | Fixing device for lens                                                        | CN      | 3/10/2003   | B              |
|            | 00134604.0      | Bidirectional drive device and method for optical scan module of scanner      | CN      | 11/28/2000  | B              |
|            | 01136284.7      | Light guider with variable optical path length and its method                 | CN      | 10/12/2001  | B              |
|            | 03201577.1      | Lighting device with multi-section optical source lightness compensating unit | CN      | 2/27/2003   | B              |
| 302404     | 97216605.X      | Chopper for optical scanner                                                   | CN      | 5/27/1997   | B              |
| 303708     | 97250661.6      | Paper feed type scanning device capable of changing paper feed direction      | CN      | 8/14/1997   | B              |
| 322992     | 97215693.3      | Double-lens multiple reflection optical path device                           | CN      | 5/15/1997   | B              |
| 322993     | 97215703.4      | Three-lens multiple reflection optical path device                            | CN      | 5/15/1997   | B              |
| 323002     | 97248793.X      | Automatic feeding paper mechanism                                             | CN      | 12/12/1997  | B              |
| 333131     | 98209194.X      | CMOS optical scanning device                                                  | CN      | 3/18/1998   | B              |
| 339423     | 97248792.1      | Automatic feeding paper mechanism                                             | CN      | 12/12/1997  | B              |
| 353200     | 98248577.8      | Device capable of making reflection type scanner scan transparent film file   | CN      | 11/26/1998  | B              |
| 355944     | 98201462.7      | Touchable optical scanner                                                     | CN      | 2/26/1998   | B              |
| 360689     | 98248575.1      | Optical scanner                                                               | CN      | 11/26/1998  | B              |
| 369719     | 99200920.0      | Liquid crystal display                                                        | CN      | 1/25/1999   | B              |
| 431352     | 00236138.8      | Light-source micro-regulation device                                          | CN      | 6/8/2000    | B              |
| 440289     | 00239215.1      | Light source mechanism of optical scanner                                     | CN      | 6/13/2000   | B              |
| 442230     | 00235947.2      | DC motor decoder                                                              | CN      | 6/9/2000    | B              |
| 445900     | 00257507.8      | Scanner with damping roller set                                               | CN      | 10/25/2000  | B              |
| 447000     | 00258310.0      | self-moving optical scanner                                                   | CN      | 10/20/2000  | B              |
| 447111     | 00258311.9      | Optical scanner with rollable guiding track                                   | CN      | 10/20/2000  | B              |
| 447653     | 00257985.5      | Simple fixing glass device                                                    | CN      | 10/19/2000  | B              |
| 456876     | 00260684.4      | Reflection-penetration type scanning apparatus                                | CN      | 11/29/2000  | B              |
| 456935     | 00263135.0      | Optical reflecting device                                                     | CN      | 12/1/2000   | B              |
| 460094     | 00257427.6      | Slide scanner                                                                 | CN      | 11/2/2000   | B              |
| 460690     | 00263791.X      | Double lens multiu-reflecting optical path apparatus                          | CN      | 12/6/2000   | B              |
| 461209     | 00263715.4      | Simple keying signal identifying circuit structure                            | CN      | 11/24/2000  | B              |
| 467744     | 01203807.5      | Optical engine adhered with coated reflection sheet                           | CN      | 2/22/2001   | B              |
| 477487     | 01219367.4      | Scanning device capable of mounting automatic paper feeder                    | CN      | 4/11/2001   | B              |
| 487504     | 01226671.X      | Background luminous panel for scanner                                         | CN      | 6/15/2001   | B              |
| 487765     | 01226673.6      | Platform image scanner with flat background light model set                   | CN      | 6/15/2001   | B              |

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| 489621     | 01232718.2      | Optical scanner capable of displacing correction sheet                           | CN      | 7/31/2001   | B              |
| 490080     | 01228842.X      | Automatic paper feeder with focus controller                                     | CN      | 7/25/2001   | B              |
| 494763     | 01259601.9      | Cover plate connector for optical scanning instrument                            | CN      | 8/29/2001   | B              |
| 494856     | 01259602.7      | File fixer                                                                       | CN      | 8/29/2001   | B              |
| 496762     | 01231681.4      | Image acquisition device with multiple sensitive line                            | CN      | 7/20/2001   | B              |
| 507141     | 01232397.7      | Scanner                                                                          | CN      | 9/25/2001   | B              |
| 507445     | 01259919.0      | Backplate device                                                                 | CN      | 8/20/2001   | B              |
| 507507     | 01270550.0      | Optical scanner correction color plate                                           | CN      | 11/13/2001  | B              |
| 507919     | 01270933.6      | Bearing support structure                                                        | CN      | 11/15/2001  | B              |
| 508265     | 01258936.5      | Optical system testing equipment                                                 | CN      | 8/30/2001   | B              |
| 508511     | 01270928.X      | Paper taking out mechanism                                                       | CN      | 11/15/2001  | B              |
| 511747     | 01270934.4      | Light tube fixing device for optical scanning instrument                         | CN      | 11/15/2001  | B              |
| 512835     | 01270353.2      | Cover-lifting-up member of vertical scanner                                      | CN      | 11/8/2001   | B              |
| 512974     | 01270354.0      | Article holder                                                                   | CN      | 11/8/2001   | B              |
| 513060     | 01270944.1      | Optical-path regulating device of scanner                                        | CN      | 11/15/2001  | B              |
| 513101     | 01270285.4      | Small focusing lens                                                              | CN      | 11/6/2001   | B              |
| 513110     | 01270355.9      | Document-loading surface of scanner                                              | CN      | 11/8/2001   | B              |
| 515943     | 01270290.0      | Width regulating structure for paper conveyer                                    | CN      | 11/6/2001   | B              |
| 515956     | 01270350.8      | Automatic paper conveyer with pressure regulator                                 | CN      | 11/8/2001   | B              |
| 516322     | 01271243.4      | Transmission belt pressing limiting mechanism of carryover assembly              | CN      | 11/16/2001  | B              |
| 516385     | 01279713.8      | Linear fine tuning device                                                        | CN      | 12/27/2001  | B              |
| 518416     | 01270349.4      | Automatic paper conveyer                                                         | CN      | 11/8/2001   | B              |
| 533954     | 01271258.2      | Optical module load bearing and line spacer of vertical scanner                  | CN      | 11/19/2001  | B              |
| 553926     | 02231822.4      | Multi-lens reflecting optical path apparatus                                     | CN      | 5/29/2002   | B              |
| 581031     | 02282935.0      | Lens module capable of regulating amplification ratio                            | CN      | 10/24/2002  | B              |
| 581531     | 02282938.5      | Scanner capable of clearing stray light                                          | CN      | 10/23/2002  | B              |
| 581703     | 02282939.3      | Light source group fixing device                                                 | CN      | 10/23/2002  | B              |
| 585721     | 02282974.1      | Gear driving device                                                              | CN      | 11/7/2002   | B              |
| 586048     | 02282936.9      | Device for fixing camera shooting document                                       | CN      | 10/24/2002  | B              |
| 586316     | 02284628.X      | Structure of shielding cable of scanner                                          | CN      | 11/11/2002  | B              |
| 589756     | 02282937.7      | Scanner having retarding mechanism                                               | CN      | 10/23/2002  | B              |
| 614333     | 03238552.8      | Multi-section type lens holding device                                           | CN      | 3/19/2003   | B              |
| 614479     | 03238414.9      | Light source with focusing function                                              | CN      | 3/14/2003   | B              |
| 618205     | 03256800.2      | Scattering arrangement of light guiding panel of background module               | CN      | 5/22/2003   | B              |
| 620154     | 03262077.2      | Light guide plate model of side light type back light module                     | CN      | 5/21/2003   | B              |
| 625522     | 03201579.8      | Holding device for non-circular lens                                             | CN      | 2/27/2003   | B              |
| 63075      | 97117752.X      | Method for improving resolution of image output of optical image scanning system | CN      | 8/28/1997   | B              |
| 66636      | 97117613.2      | Image signal processing device                                                   | CN      | 8/13/1997   | B              |
| 76194      | 97101840.5      | Improved device and method for checking table mapping in memory                  | CN      | 2/14/1997   | B              |

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|------------|-----------------|-------------------------------------------------------------------------------------------|---------|-------------|----------------|
| 84260      | 97117717.1      | Method and apparatus for forming again picture with poignant contrast in picture system   | CN      | 8/21/1997   | B              |
| allowed    | 03201481.3      | Double-layer optical reflection unit                                                      | CN      | 2/13/2003   | B              |
|            | 03204826.2      | Optical system for scanner                                                                | CN      | 7/29/2003   | B              |
|            | 03280105.X      | Back light module                                                                         | CN      | 9/19/2003   | B              |
|            | 03238811.X      | Optical path device                                                                       | CN      | 3/5/2003    | B              |
| 352518     | 98207881.1      | Glass base location device for optical scanner                                            | CN      | 8/20/1998   | B              |
|            | 01101857.7      | Information display system and method of scanner                                          | CN      | 2/9/2001    | B              |
|            | 03272654.6      | Optics scanning module                                                                    | CN      | 7/22/2003   | B              |
| 605793     | 03203459.8      | Composite packing structure                                                               | CN      | 3/5/2003    | B              |
|            | 200330114398.4  | Light tube mask                                                                           | CN      | 11/21/2003  | B              |
|            | 200310101256.3  | Method and device for improving blood measurement credibility using multi-channel circuit | CN      | 10/16/2003  | B              |
|            | 00134603.2      | Dynamic focusing method for image scanner                                                 | CN      | 11/28/2000  | B              |
|            | 02150395.8      | Method for resolving dynamic range of image                                               | CN      | 11/11/2002  | B              |
|            | 3272622.8       | Light source device                                                                       | CN      | 6/30/2003   | B              |
|            | 03201576.3      | Light source compensator                                                                  | CN      | 2/27/2003   | B              |
|            | 03238834.9      | Supporting and fixing apparatus for lens                                                  | CN      | 3/11/2003   | B              |
|            | 02150607.8      | Lens system with tunable curvatures and method for adjusting curvatures                   | CN      | 11/6/2002   | B              |
|            | 03100195.5      | Image-picking condensing device and method                                                | CN      | 1/10/2003   | B              |
|            | 02149955.1      | Scanner and scanning method with adjustable length of turning area                        | CN      | 11/8/2002   | B              |
|            | 01129291.1      | Vibration compensating device and method for image scanning                               | CN      | 6/20/2001   | B              |
|            | 01129292.X      | Device and method for lowering transmission noise interference in scanner                 | CN      | 6/20/2001   | B              |
|            | 200420007945.8  | vertical back light module and expansion plate                                            | CN      | 3/19/2004   | B              |
|            | 200420004983.8  | Back light module                                                                         | CN      | 3/18/2004   | B              |
|            | 03120569.0      | Scanner with side reversing device                                                        | CN      | 3/14/2003   | B              |
|            | 01129288.1      | Color scanning automatic judging method for scanner                                       | CN      | 6/20/2001   | B              |
|            | 02148299.3      | Scanning instrument light collecting device                                               | CN      | 10/31/2002  | B              |
|            | 02102309.3      | Device for projecting and retrieving a display interface                                  | CN      | 1/15/2002   | B              |
|            | 00121298.2      | Compensating method of planar light source                                                | CN      | 8/11/2000   | B              |
|            | 01142090.1      | Method for eliminating interferece by noice as movement of step motor                     | CN      | 9/11/2001   | B              |
|            | 03119876.7      | Focusing device, producing method and image scanner thereof                               | CN      | 3/10/2003   | B              |
|            | 02149954.3      | Image processing method                                                                   | CN      | 11/8/2002   | B              |
|            | 03132812.1      | back and white image interception search method                                           | CN      | 7/21/2003   | B              |
|            | 03106171.0      | Image scanning method                                                                     | CN      | 2/20/2003   | B              |

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|            | 03106449.3      | Method for appending letters to image                                                     | CN      | 2/26/2003   | B              |
|            | 03119955.0      | Depth focus adjusting and measuring device                                                | CN      | 3/10/2003   | B              |
|            | 3101280.9       | Optical system of scanning device                                                         | CN      | 1/24/2003   | B              |
|            | 98103941.3      | Digital camera with separable lens                                                        | CN      | 1/7/1998    | B              |
|            | 00121024.6      | Method for correcting scanned image                                                       | CN      | 7/13/2000   | B              |
|            | 00132581.7      | Method for sharing data bus of scanner                                                    | CN      | 11/29/2000  | B              |
|            | 01102294.9      | Different colour channel output method of balanced colour sensor                          | CN      | 1/21/2001   | B              |
|            | 01115606.6      | Device and method for returning to zero and reading in CMOS sensor                        | CN      | 4/26/2001   | B              |
|            | 01115769.0      | Modular light conducting device and producing method                                      | CN      | 6/14/2001   | B              |
|            | 01116037.3      | Film coating reflected optical engine and making process thereof                          | CN      | 5/10/2001   | B              |
|            | 01116121.3      | Blackness correcting device and method for linear complementary MOS sensor                | CN      | 5/9/2001    | B              |
|            | 01116122.1      | Photosensitive cell bias signal outputting device and method with linear sensor           | CN      | 5/9/2001    | B              |
|            | 01119992.X      | One-step multistage exposure scanning method                                              | CN      | 7/6/2001    | B              |
|            | 01124128.4      | Automatic scanning system and scanning method                                             | CN      | 8/15/2001   | B              |
|            | 01124130.6      | Scanning head module                                                                      | CN      | 8/15/2001   | B              |
|            | 01136283.9      | Elastic energy accumulation type scanner and its scanning method                          | CN      | 10/12/2001  | B              |
|            | 01140358.6      | Automatic scanning method for scanner                                                     | CN      | 12/10/2001  | B              |
|            | 02100136.7      | Rotary optical scanner and scanning method                                                | CN      | 1/9/2002    | B              |
|            | 02108215.4      | Method of correction for image scanning system                                            | CN      | 3/27/2002   | B              |
|            | 02108599.4      | File automatic identifying and executing method having function option and device thereof | CN      | 4/4/2002    | B              |
|            | 02127681.1      | Light source module                                                                       | CN      | 8/1/2002    | B              |
|            | 02131629.5      | Optical camera lens device of image scanner                                               | CN      | 9/11/2002   | B              |
|            | 200310121300.7  | Optical lens                                                                              | CN      | 12/18/2003  | B              |
|            | 200330102360.5  | Light tube mask                                                                           | CN      | 10/31/2003  | B              |
|            | 200430001284.3  | Light tube mask                                                                           | CN      | 1/13/2004   | B              |
|            | 200430003464.5  | Light tube mask                                                                           | CN      | 2/24/2004   | B              |
|            | 3136529.9       | Side light back light module                                                              | CN      | 5/21/2003   | B              |
|            | 3155939.5       | Method for detecting paper feeding status                                                 | CN      | 8/27/2003   | B              |
|            | 3178774.6       | Biosensor with multi bias voltage adjustment and method thereof                           | CN      | 7/18/2003   | B              |
|            | 02121988.5      | Method of processing image data for speeding up data transmission                         | CN      | 5/29/2002   | B              |
|            | 02122612.1      | Light source controlling method of LED                                                    | CN      | 6/19/2002   | B              |

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|------------|-----------------|-------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 02124480.4      | Image scanning system processing the function of selective compression and method thereof                   | CN      | 6/28/2002   | B              |
|            | 02124770.6      | Optical scanner with pin-hole imaging device                                                                | CN      | 6/25/2002   | B              |
|            | 02124772.2      | Equipment and method for controlling step motor                                                             | CN      | 6/25/2002   | B              |
|            | 02126827.4      | Method for selecting chromatic attenuation correction curve                                                 | CN      | 7/22/2002   | B              |
|            | 02128251.X      | Full sector optical image pick-up addressing device                                                         | CN      | 8/6/2002    | B              |
|            | 02128252.8      | optical scanner                                                                                             | CN      | 8/6/2002    | B              |
|            | 02128283.8      | Optical axis angle regulator and its regulating method                                                      | CN      | 8/8/2002    | B              |
|            | 02130157.3      | Method for producing correcting curve                                                                       | CN      | 8/23/2002   | B              |
|            | 02131388.1      | Transmission connecting-leg controller for reduced scanning and method                                      | CN      | 10/8/2002   | B              |
|            | 02131422.5      | Optical device and method suitable for scanner                                                              | CN      | 10/10/2002  | B              |
|            | 02140164.0      | Method for increasing S/N ratio of signal                                                                   | CN      | 7/1/2002    | B              |
|            | 02140165.9      | Operation mode of switching between full viewing and previewing and system thereof                          | CN      | 7/1/2002    | B              |
|            | 02140166.7      | Optical carrier and forming method for scanner                                                              | CN      | 7/1/2002    | B              |
|            | 02140177.2      | Method and device for dragging and formatting image                                                         | CN      | 7/4/2002    | B              |
|            | 02140990.0      | Toroidal lens optical path device                                                                           | CN      | 7/12/2002   | B              |
|            | 02141851.9      | Method for judging file range and its correspondent scanner structure                                       | CN      | 8/22/2002   | B              |
|            | 02146163.5      | Scanning instrument internal element energy consumption distribution mode using bus power source and method | CN      | 10/30/2002  | B              |
|            | 02146164.3      | Method of cancelling storage in scanning device                                                             | CN      | 10/30/2002  | B              |
|            | 02146274.7      | Fixed current driving circuit for improving step precision of step motor                                    | CN      | 10/17/2002  | B              |
|            | 02146275.5      | Scanner for transmitting analog electronic signals in differential pairs and its operation                  | CN      | 10/17/2002  | B              |
|            | 02148019.2      | Lens seat regulating method and its regulating device                                                       | CN      | 10/22/2002  | B              |
|            | 02150394.X      | Combination of spectacle frame                                                                              | CN      | 11/11/2002  | B              |
|            | 02150396.6      | Image scanner possessing handwriting input device                                                           | CN      | 11/11/2002  | B              |
|            | 02150397.4      | Method of lowering noise in image                                                                           | CN      | 11/11/2002  | B              |
|            | 02151710.X      | Electronic periphery equipment with double buses                                                            | CN      | 12/31/2002  | B              |
|            | 02151711.8      | Method for judging blood sugar concentration using ascending curve                                          | CN      | 12/31/2002  | B              |
|            | 02153680.5      | Extensiontype scanner                                                                                       | CN      | 12/3/2002   | B              |
|            | 02156067.6      | Short optical path image pick-up device                                                                     | CN      | 12/13/2002  | B              |
|            | 02157164.3      | Apparatus for detecting special component in liquid                                                         | CN      | 12/17/2002  | B              |
|            | 02158490.7      | Scanner with common illuminating light source                                                               | CN      | 12/25/2002  | B              |
|            | 02158962.3      | Image joint and improvement method                                                                          | CN      | 12/19/2002  | B              |
|            | 02159792.8      | Blood sugar long term observation chart establishing method for helping self control of blood sugar value   | CN      | 12/26/2002  | B              |
|            | 02160033.3      | Power module and optical scanner with power module                                                          | CN      | 12/30/2002  | B              |
|            | 02160034.1      | Optical scanner                                                                                             | CN      | 12/30/2002  | B              |
|            | 02160803.2      | Detecting method for reaction value in detecting area of sample sheet                                       | CN      | 12/30/2002  | B              |

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|            | 02160804.0      | Correcting method and device with multiple correcting curves                                                              | CN      | 12/30/2002  | B              |
|            | 03100223.4      | Method for reading sensor                                                                                                 | CN      | 1/3/2003    | B              |
|            | 03100367.2      | Scanner and designing method of scanning module in scanner                                                                | CN      | 1/13/2003   | B              |
|            | 03100945.X      | Device for combining point light source with single lens                                                                  | CN      | 1/7/2003    | B              |
|            | 03100946.8      | Method for raising reading value resolution of biological sensor                                                          | CN      | 1/7/2003    | B              |
|            | 03100965.4      | Checking zone colour-reaction judgement method of test piece                                                              | CN      | 1/2/2003    | B              |
|            | 03101038.5      | Image equipment combined with scanning device and video communication device                                              | CN      | 1/8/2003    | B              |
|            | 03101039.3      | Biological chip capable of raising measurement reliability and its method                                                 | CN      | 1/8/2003    | B              |
|            | 03101040.7      | Biological sensor capable of correcting environmental temperature effect and its method                                   | CN      | 1/8/2003    | B              |
|            | 03102004.6      | Action method of double sided scanning device                                                                             | CN      | 1/24/2003   | B              |
|            | 03102005.4      | Method for separating output files                                                                                        | CN      | 1/24/2003   | B              |
|            | 03104341.0      | Scanner having a frame-choosing unit and frame-choosing scanning method thereof                                           | CN      | 1/31/2003   | B              |
|            | 03105088.3      | Scanning stabilizer for optical scanning module                                                                           | CN      | 3/5/2003    | B              |
|            | 03105089.1      | Scanner and its life doubling method                                                                                      | CN      | 3/5/2003    | B              |
|            | 03106815.4      | Image scanning device light source control method and apparatus                                                           | CN      | 3/3/2003    | B              |
|            | 03107142.2      | Scanning instrument                                                                                                       | CN      | 3/7/2003    | B              |
|            | 03107143.0      | platform type scanner                                                                                                     | CN      | 3/7/2003    | B              |
|            | 03107144.9      | Light source detecting measurer                                                                                           | CN      | 3/7/2003    | B              |
|            | 03107201.1      | Scanning method with scanning time decrease                                                                               | CN      | 3/17/2003   | B              |
|            | 03107209.7      | Image correcting method                                                                                                   | CN      | 3/17/2003   | B              |
|            | 03107325.5      | Chrominance compensating lens capable of compensating light sensitive element produced color difference and design method | CN      | 3/20/2003   | B              |
|            | 03107333.6      | Automatic paper feeder                                                                                                    | CN      | 3/20/2003   | B              |
|            | 03107334.4      | Lens trimmer                                                                                                              | CN      | 3/20/2003   | B              |
|            | 03107339.5      | Clamping mechanism for automatic paper feeder                                                                             | CN      | 3/20/2003   | B              |
|            | 03107371.9      | User interface surface of image taking device and analytical method for its image data                                    | CN      | 3/24/2003   | B              |
|            | 03110298.0      | Method for judging concentration of blood sugar                                                                           | CN      | 4/10/2003   | B              |
|            | 03110299.9      | Test block check field detection result automatic detection method                                                        | CN      | 4/10/2003   | B              |
|            | 03119480.X      | Image scanner with multiple power-supply module and running method thereof                                                | CN      | 3/12/2003   | B              |
|            | 03119481.8      | Method for decreasing image noise                                                                                         | CN      | 3/12/2003   | B              |

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|------------|-----------------|--------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 03119482.6      | Method for scanning irregular object                                                             | CN      | 3/12/2003   | B              |
|            | 03119503.2      | Trimmer for CCD board                                                                            | CN      | 3/5/2003    | B              |
|            | 03119504.0      | Circuit board with image selecting elements                                                      | CN      | 3/5/2003    | B              |
|            | 03119505.9      | Belt tension regulating mechanism                                                                | CN      | 3/5/2003    | B              |
|            | 03119506.7      | Light source module for scanning instrument                                                      | CN      | 3/5/2003    | B              |
|            | 03119507.5      | Scanning module with blocking plate                                                              | CN      | 3/5/2003    | B              |
|            | 03119535.0      | Light source modular structure and design method thereof                                         | CN      | 3/10/2003   | B              |
|            | 03119997.6      | Automatic paper feeder                                                                           | CN      | 3/17/2003   | B              |
|            | 03120188.1      | Method for testing uniformity of color value of scanning image                                   | CN      | 3/12/2003   | B              |
|            | 03120189.X      | Scanner with bus power-supply drive                                                              | CN      | 3/12/2003   | B              |
|            | 03120255.1      | Optical assembly with movable reflector                                                          | CN      | 3/6/2003    | B              |
|            | 03120263.2      | Lens assembly                                                                                    | CN      | 3/6/2003    | B              |
|            | 03120273.X      | Method of displaying estimated scanning required execution time                                  | CN      | 3/7/2003    | B              |
|            | 03120288.8      | Reflector plate light collective mechanism                                                       | CN      | 3/10/2003   | B              |
|            | 03120551.8      | Image compensating correcting method for light-source fixed scanner                              | CN      | 3/11/2003   | B              |
|            | 03120552.6      | Scanner with adjustable light open                                                               | CN      | 3/11/2003   | B              |
|            | 03120564.X      | Method for choosing and adjusting scanner light source                                           | CN      | 3/14/2003   | B              |
|            | 03120567.4      | Scanner with light source for scanning positive and negative                                     | CN      | 3/14/2003   | B              |
|            | 03120568.2      | Scanner with double-face scanning function                                                       | CN      | 3/14/2003   | B              |
|            | 03121237.9      | Method of lifting step motor acceleration and speed reducing characteristics                     | CN      | 3/28/2003   | B              |
|            | 03123402.X      | Light source device                                                                              | CN      | 5/6/2003    | B              |
|            | 03123861.0      | Side light back light module and LCD                                                             | CN      | 5/21/2003   | B              |
|            | 03123865.3      | Blood measuring method and device with multi-channel and multi-additive circuit                  | CN      | 5/21/2003   | B              |
|            | 03123866.1      | Light guide plate model of side light type back light module and liquid crystal display          | CN      | 5/21/2003   | B              |
|            | 03130949.6      | Fixed voltage driving circuit for improving precision of step motor                              | CN      | 5/9/2003    | B              |
|            | 03136530.2      | Scattering arrangement of light guiding panel of background module and liquid crystal display    | CN      | 5/22/2003   | B              |
|            | 03137179.5      | Control circuit and measuring method for adjusting biosensor                                     | CN      | 6/11/2003   | B              |
|            | 03141123.1      | Reflective lens module adopted in scanner                                                        | CN      | 6/9/2003    | B              |
|            | 03142881.9      | Light source module                                                                              | CN      | 6/16/2003   | B              |
|            | 03142999.8      | Scanner with energy stroing back light device                                                    | CN      | 6/23/2003   | B              |
|            | 03146355.X      | Flat-board type light source                                                                     | CN      | 7/10/2003   | B              |
|            | 03147263.X      | Biosensor detecting particular composition in object with splitting pressure                     | CN      | 7/11/2003   | B              |
|            | 03148108.6      | Motor control circuit for preventing motor to pass through current when no control signal occurs | CN      | 7/2/2003    | B              |

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|------------|-----------------|-------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 03149651.2      | Measuring method for scanning line position and width and pattern thereof           | CN      | 8/4/2003    | B              |
|            | 03152321.8      | Scanner with automatic adjusting lens multiplicity                                  | CN      | 7/30/2003   | B              |
|            | 03154365.0      | Method and device for detecting battery capacity                                    | CN      | 8/21/2003   | B              |
|            | 03154367.7      | Color correcting method for image capturing device                                  | CN      | 8/21/2003   | B              |
|            | 03155099.1      | LED light emitting device                                                           | CN      | 8/27/2003   | B              |
|            | 03155100.9      | Light tube clamping mechanism with positioning function and assembly method thereof | CN      | 8/27/2003   | B              |
|            | 03178772.X      | Biosensor with multi-channel analog/digital conversion and method thereof           | CN      | 7/18/2003   | B              |
|            | 200310100250.4  | Reading device for optical storage media                                            | CN      | 10/13/2003  | B              |
|            | 200310121277.1  | Back light module                                                                   | CN      | 12/17/2003  | B              |
|            | 200310121299.8  | Light source module and assembly method thereof                                     | CN      | 12/18/2003  | B              |
|            | 200410000261.X  | Vertical back light module                                                          | CN      | 1/12/2004   | B              |
|            | 99109347.x      | Method for analyzing and measuring stability of shifting machine body               | CN      | 6/24/1999   | B              |
|            | 03104411.5      | Method of image correction in continuous scanning                                   | CN      | 2/11/2003   | B              |
|            | 03104412.3      | Bidirectional type auto paper feeding mechanism and feeding method thereof          | CN      | 2/11/2003   | B              |
|            | 03205359.2      | Light source module                                                                 | CN      | 8/18/2003   | B              |
|            | 03209130.3      | Light source device and application of back light thereof                           | CN      | 9/8/2003    | B              |
|            | 03209131.1      | Light source module                                                                 | CN      | 9/8/2003    | B              |
|            | 03209132.X      | Light source device and application of back light thereof                           | CN      | 9/8/2003    | B              |
|            | 03238553.6      | Scanner carrier locking device having automatic unlocking function                  | CN      | 3/19/2003   | B              |
|            | 03241573.7      | Paper feeding device                                                                | CN      | 4/11/2003   | B              |
|            | 03256890.8      | Automatic paper conveyer                                                            | CN      | 5/22/2003   | B              |
|            | 03261404.7      | Side light back light module                                                        | CN      | 5/21/2003   | B              |
|            | 03262076.4      | Side light back light module                                                        | CN      | 5/21/2003   | B              |
|            | 200320100971.0  | Back light light component                                                          | CN      | 10/21/2003  | B              |
|            | 200320100972.5  | Guiding light plate and application of back light component thereof                 | CN      | 10/21/2003  | B              |
|            | 200320100973.X  | Linear light source component                                                       | CN      | 10/21/2003  | B              |
|            | 200320103991.3  | Object positioner                                                                   | CN      | 11/5/2003   | B              |
|            | 200420004924.0  | Side light source device                                                            | CN      | 3/2/2004    | B              |
|            | 2102840         | Controlling device and method for step motor                                        | CN      | 1/24/2002   | B              |

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| Patent No. | Application No. | Title                                                                                                              | Country | Filing Date | Asset Category |
|------------|-----------------|--------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 2124929.6       | Optimization automatic focusing method for image scanner                                                           | CN      | 6/26/2002   | B              |
|            | 2141270.7       | Image sensor having multiple pixel size                                                                            | CN      | 6/27/2002   | B              |
|            | 00124557.0      | Induction motor and step motor combined system and its operating method                                            | CN      | 9/20/2000   | B              |
|            | 01129287.3      | Scanning speed control device and method                                                                           | CN      | 6/20/2001   | B              |
|            | 01130729.3      | Sequence generating method for electronic coupled element                                                          | CN      | 8/22/2001   | B              |
|            | 01134464.4      | Method of eliminating optoelectronic cross coupling                                                                | CN      | 11/5/2001   | B              |
|            | 01134466.0      | Mainboard supporting different connectors of various pins and its design method                                    | CN      | 11/5/2001   | B              |
|            | 01134467.9      | High-resolution sensing method of scanning instrument                                                              | CN      | 11/5/2001   | B              |
|            | 01134468.7      | K value compensation method of zipper image and K value calculating method                                         | CN      | 11/5/2001   | B              |
|            | 01134804.6      | Lens shape structure and lens fine regulation structure                                                            | CN      | 11/13/2001  | B              |
|            | 01136189.1      | Method of lightening streak image                                                                                  | CN      | 11/21/2001  | B              |
|            | 01136871.3      | Control and regulation method with feedback of light source brightness                                             | CN      | 11/2/2001   | B              |
|            | 01136872.1      | Multiple-resolution regulator                                                                                      | CN      | 11/2/2001   | B              |
|            | 01137489.6      | Focusing method of scanning device                                                                                 | CN      | 11/16/2001  | B              |
|            | 01139626.1      | Method of sharing the identical printed circuit board in different connector and detecting                         | CN      | 11/28/2001  | B              |
|            | 01139646.6      | Image data arranging method in memory of optical scanner                                                           | CN      | 11/30/2001  | B              |
|            | 01140137.0      | Automatic picture making device and method                                                                         | CN      | 11/27/2001  | B              |
|            | 01141530.4      | High-speed calibration method in camera equipment and its system                                                   | CN      | 10/10/2001  | B              |
|            | 01142104.5      | Double-light source voltage regulating and compensation control circuit of scanner                                 | CN      | 9/12/2001   | B              |
|            | 01143460.0      | Sequential control method for preventing charge coupling device from saturating                                    | CN      | 12/28/2001  | B              |
|            | 01144536.X      | Step motor                                                                                                         | CN      | 12/19/2001  | B              |
|            | 02100135.9      | Double side serialization controlling method and device for scanner                                                | CN      | 1/9/2002    | B              |
|            | 02103364.1      | Method for correcting image frame selection range of image input device                                            | CN      | 1/28/2002   | B              |
|            | 02103365.X      | Processing method for real time image compression                                                                  | CN      | 1/28/2002   | B              |
|            | 02107049.0      | Method for regulating, changing and converting functional value by utilizing complementary pair measurement system | CN      | 3/12/2002   | B              |
|            | 02107483.6      | Method for fixing adjustable optical lens group and its structure                                                  | CN      | 3/20/2002   | B              |
|            | 02108216.2      | Automatic checkout system of cameras                                                                               | CN      | 3/27/2002   | B              |
|            | 02119840.3      | Method and device for changing scanning resolution ratio                                                           | CN      | 5/15/2002   | B              |

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| Patent No. | Application No. | Title                                                                                                                      | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 02120368.7      | Method and device capable of cleaning away inputted character string at once                                               | CN      | 5/23/2002   | B              |
|            | 02122613.X      | Light path layout of image searching system and method for realizing the same                                              | CN      | 6/19/2002   | B              |
|            | 02122621.0      | Process for changing user interface language with no need to restart the application programs                              | CN      | 6/18/2002   | B              |
|            | 02122885.X      | Production line and process for production of work pieces using the same                                                   | CN      | 6/17/2002   | B              |
|            | 02123068.4      | Light path folding apparatus                                                                                               | CN      | 6/12/2002   | B              |
|            | 02123071.4      | Circuit structure of scanner                                                                                               | CN      | 6/12/2002   | B              |
|            | 02123168.0      | Mechanism height adjustable hinge mold assembly                                                                            | CN      | 6/26/2002   | B              |
|            | 02123169.9      | Semi-automatic adjusting device for making scanners and method for using the same                                          | CN      | 6/26/2002   | B              |
|            | 02123172.9      | Scanner having scanning background provided transmission component                                                         | CN      | 6/26/2002   | B              |
|            | 02124305.0      | Process for detecting sharpness test pattern reference position                                                            | CN      | 6/10/2002   | B              |
|            | 02124362.X      | Image data processing method for accelerating data transmission                                                            | CN      | 6/12/2002   | B              |
|            | 02124771.4      | Double side scanning method                                                                                                | CN      | 6/25/2002   | B              |
|            | 02124930.X      | Focusing searching method for image scanner                                                                                | CN      | 6/26/2002   | B              |
|            | 02126228.4      | Scanning method of automatically paper-feeding scanning instrument                                                         | CN      | 7/16/2002   | B              |
|            | 02126229.2      | Scanner combination with double-sided scanning function and its light source controlling method<br>具有雙面掃描功能之掃描器組及其中之光源控制方法 | CN      | 7/16/2002   | B              |
|            | 02126230.6      | File conveyer                                                                                                              | CN      | 7/16/2002   | B              |
|            | 02126348.5      | File sensor and sensing method thereof                                                                                     | CN      | 7/18/2002   | B              |
|            | 02126350.7      | Brightness homogenizing light source module                                                                                | CN      | 7/18/2002   | B              |
|            | 02128284.6      | Method of program module loading system                                                                                    | CN      | 8/8/2002    | B              |
|            | 02130159.X      | Scanner image correction method                                                                                            | CN      | 8/23/2002   | B              |
|            | 02131869.7      | Method for adjusting reflecting mirror to optimum position                                                                 | CN      | 9/4/2002    | B              |
|            | 02140574.3      | Scanning device adopting gravity to accelerate scanning speed                                                              | CN      | 7/3/2002    | B              |
|            | 02140605.7      | Adjustable spot light equipment                                                                                            | CN      | 7/10/2002   | B              |
|            | 02140798.3      | Image correction method capable of avoiding error image                                                                    | CN      | 7/25/2002   | B              |
|            | 02141156.5      | Data reading equipment and operation method thereof                                                                        | CN      | 7/8/2002    | B              |
|            | 02141380.0      | Method for producing equipment serial number                                                                               | CN      | 7/9/2002    | B              |
|            | 02141659.1      | Method for regulating image by means of corrected data parameter                                                           | CN      | 9/9/2002    | B              |
|            | 02141697.4      | Gearing mechanism for paper cutting device                                                                                 | CN      | 9/13/2002   | B              |
|            | 02141873.X      | Push button structure for preventing clamping key and its design method                                                    | CN      | 8/27/2002   | B              |
|            | 02142633.3      | Method for measuring relative brightness of surface of original manuscript                                                 | CN      | 9/3/2002    | B              |
|            | 02142634.1      | Method for recognizing abnormal images                                                                                     | CN      | 9/3/2002    | B              |

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| Patent No. | Application No. | Title                                                                                                          | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 02142754.2      | Scanning module with chroma compensation function                                                              | CN      | 9/20/2002   | B              |
|            | 02142755.0      | Image induction compensation method and its structure                                                          | CN      | 9/20/2002   | B              |
|            | 02142756.9      | Motion method of optomechanical module and printing module and converter thereof                               | CN      | 9/20/2002   | B              |
|            | 02142757.7      | Double-side image scanning module and scanning method thereof                                                  | CN      | 9/20/2002   | B              |
|            | 02142773.9      | Scanner                                                                                                        | CN      | 9/19/2002   | B              |
|            | 02142774.7      | Method for judging reset position                                                                              | CN      | 9/19/2002   | B              |
|            | 02143245.7      | Adjustable graphic interface of optical mechanism and its operation method                                     | CN      | 9/24/2002   | B              |
|            | 02143246.5      | Method and apparatus for controlling linear acceleration and deceleration of step motor                        | CN      | 9/24/2002   | B              |
|            | 02145752.2      | Image data garbage filtering method capable of accelerating computation                                        | CN      | 10/11/2002  | B              |
|            | 02146732.3      | Document transported typed scanning mechanism                                                                  | CN      | 11/4/2002   | B              |
|            | 02146733.1      | Method for improving dithering of scanning module and method for determining source of dithering module        | CN      | 11/4/2002   | B              |
|            | 02146924.5      | Compensating light source capable of compensating light attenuation caused by light path and its design method | CN      | 10/22/2002  | B              |
|            | 2149243.3       | Cluster gear structure and method for driving scanning module by using structure                               | CN      | 11/6/2002   | B              |
|            | 02149244.1      | Device and modes for outputting image bits in scanner                                                          | CN      | 11/6/2002   | B              |
|            | 02149392.8      | Method for improving sweep efficiency                                                                          | CN      | 11/12/2002  | B              |
|            | 02149398.7      | Moving method of scanning module and guiding mechanism providing its movement                                  | CN      | 11/12/2002  | B              |
|            | 02149822.9      | Light source module and producing method                                                                       | CN      | 11/6/2002   | B              |
|            | 02150350.8      | Image picking up device and method capable of shooting negative and displaying reversed image of negative      | CN      | 11/5/2002   | B              |
|            | 02150602.7      | Method for improving image recognition rate                                                                    | CN      | 11/6/2002   | B              |
|            | 02150603.5      | Device and method for correcting degree of linearity                                                           | CN      | 11/6/2002   | B              |
|            | 02150604.3      | Beam condensing unit for light source in scanner                                                               | CN      | 11/6/2002   | B              |
|            | 02150608.6      | Device for fixing reflecting mirror in tensile stress                                                          | CN      | 11/6/2002   | B              |
|            | 03120274.8      | Method for removing color fading noise                                                                         | CN      | 3/7/2003    | B              |
|            | 03145051.2      | Scanning method                                                                                                | CN      | 6/17/2003   | B              |
|            | 2122610.5       | Optical scanner having optical well                                                                            | CN      | 6/19/2002   | B              |
|            | 02126231.4      | Scanning module with transmissive slit                                                                         | CN      | 7/16/2002   | B              |
|            | 02126349.3      | Circuit module with integrated light source driver and optical inducer                                         | CN      | 7/18/2002   | B              |
|            | 02126351.5      | Handcart and its stair climbing method                                                                         | CN      | 7/18/2002   | B              |
|            | 02126352.3      | Light source module for scanning instrument                                                                    | CN      | 7/18/2002   | B              |
|            | 02126824.X      | Lense detecting tool                                                                                           | CN      | 7/22/2002   | B              |
|            | 02140777.0      | Error back-report and correction method for peripheral unit                                                    | CN      | 7/24/2002   | B              |
|            | 02140778.9      | Scanner of optical source device using self-light-focusing effect                                              | CN      | 7/24/2002   | B              |

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| Patent No. | Application No. | Title                                                                                                           | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 02140779.7      | Control button without rolling strip mode and method for operating same                                         | CN      | 7/24/2002   | B              |
|            | 01118728.X      | Transmission-type scanning light source of image scanner                                                        | CN      | 6/8/2001    | B              |
|            | 01115524.8      | Image scanner                                                                                                   | CN      | 4/27/2001   | B              |
|            | 01115526.4      | Electric energy saving method and device for peripherals with more ports                                        | CN      | 4/27/2001   | B              |
|            | 01119827.3      | Method for outputting CCD signals by changing time sequence of drive                                            | CN      | 6/29/2001   | B              |
|            | 01119865.6      | Method and device for increasing resolution of scanner                                                          | CN      | 7/3/2001    | B              |
|            | 01119989.X      | Optical scanning apparatus capable of automatically position-finding and with image fetch device                | CN      | 7/6/2001    | B              |
|            | 01119990.3      | Multiple focal distance electric coupling device                                                                | CN      | 7/6/2001    | B              |
|            | 01119991.1      | One-step double-exposure scanning method                                                                        | CN      | 7/6/2001    | B              |
|            | 01120380.3      | Circuit for space converting colors of scanner RGB signals                                                      | CN      | 8/29/2001   | B              |
|            | 01124046.6      | Method for controlling scanner with paper-feedingback type and platform type double scanning functions          | CN      | 8/9/2001    | B              |
|            | 01124080.6      | Method and system for scanning grey pictures                                                                    | CN      | 8/13/2001   | B              |
|            | 01124127.6      | Method for correcting pick-up apparatus                                                                         | CN      | 8/15/2001   | B              |
|            | 01129304.7      | Optical system                                                                                                  | CN      | 6/11/2001   | B              |
|            | 01130311.5      | Method for reading pixel signal from multiple staggered sensor array                                            | CN      | 11/20/2001  | B              |
|            | 01131306.4      | Scanner concave mirror optical system device                                                                    | CN      | 8/31/2001   | B              |
|            | 02102831.1      | Scanning method and system for automatic scanning based on document property                                    | CN      | 1/23/2002   | B              |
|            | 02102832.X      | Scanning system and method without secondary scanning                                                           | CN      | 1/23/2002   | B              |
|            | 02102838.9      | Method for improving the usability of defective marks in image processing system                                | CN      | 1/24/2002   | B              |
|            | 02108332.0      | Method for corresponding scanned area to previewed and preselected area of image scanning device in normal scan | CN      | 3/28/2002   | B              |
|            | 02144325.4      | Light source module for scanning device                                                                         | CN      | 10/8/2002   | B              |
|            | 02101860.X      | Optical path increasing module                                                                                  | CN      | 1/16/2002   | B              |
|            | 96123109.2      | Digit compensated image processing device                                                                       | CN      | 12/11/1996  | B              |
|            | 00132580.9      | Scanner of synchronous dynamic random R/W memory and R/W method of memory                                       | CN      | 11/29/2000  | B              |
|            | 200410039775.6  | Light focusing structure improvement for scanner                                                                | CN      | 3/17/2003   | B              |
|            | 03136529.9      | Side light back light module and LCD                                                                            | CN      | 5/21/2003   | B              |
|            | 03178774.6      | Biosensor with multiple time segments bias voltage adjustm                                                      | CN      | 7/18/2003   | B              |
|            | 91112975        | 以負片間區來校正負片影像的方法                                                                                                 | TW      | 6/14/2002   | B              |
|            | 91106244        | 取得校正參數之掃描器方法                                                                                                    | TW      | 3/29/2002   | B              |
|            | 91111786        | 具有輸入單元防呆功能的掃描器與運作方法                                                                                             | TW      | 5/31/2002   | B              |

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|------------|-----------------|-------------------------|---------|-------------|----------------|
|            | 91115612        | 讓不具備網路掃描功能之掃描器支援網路掃描    | TW      | 7/12/2002   | B              |
|            | 91107397        | 影像掃描器之光學鏡頭裝置            | TW      | 4/12/2002   | B              |
|            | 91132824        | 掃描裝置之光學系統               | TW      | 11/7/2002   | B              |
|            | 91125110        | 改善掃描模組抖動的方法             | TW      | 10/25/2002  | B              |
|            | 91133090        | 以匯流排電源驅動之掃描器            | TW      | 11/11/2002  | B              |
|            | 91137427        | 雙面掃描裝置之運作方法             | TW      | 12/26/2002  | B              |
|            | 92100062        | 可掃描正負片之具有一光源之掃描器        | TW      | 1/2/2003    | B              |
|            | 91134239        | 可選擇與調整掃描器光源之方法          | TW      | 11/25/2002  | B              |
|            | 91136593        | 掃描影像之色階值之一致性的測試方法       | TW      | 12/18/2002  | B              |
|            | 92103824        | 掃描器之傳動裝置                | TW      | 2/24/2003   | B              |
|            | 92112490        | 掃描器                     | TW      | 5/7/2003    | B              |
|            | 92105539        | 影像黑白交界之搜尋方法             | TW      | 3/13/2003   | B              |
|            | 92105538        | 資料處理裝置                  | TW      | 3/13/2003   | B              |
|            | 92112491        | 鏡頭承載模組                  | TW      | 5/7/2003    | B              |
|            | 91132212        | 影像補償方法                  | TW      | 10/30/2002  | B              |
|            | 92107790        | 具有儲存能量背光裝置之掃描裝置         | TW      | 4/4/2003    | B              |
|            | 91132867        | 具有遮光板之掃描模組及利用遮光板        | TW      | 11/8/2002   | B              |
|            | 91137629        | 輸出文件的分離方法               | TW      | 12/27/2002  | B              |
|            | 91134536        | 自動饋紙器                   | TW      | 11/20/2002  | B              |
|            | 92102626        | 具有擋紙功能的分張進紙裝置           | TW      | 2/10/2003   | B              |
|            | 91133478        | 利用掃描器更新視窗內容的方法          | TW      | 11/15/2002  | B              |
|            | 91133323        | 光源固定式掃描器之影像補償校正方法       | TW      | 11/14/2002  | B              |
|            | 91135607        | 液體中特定成份之檢測裝置            | TW      | 12/9/2002   | B              |
|            | 91137722        | 試片之檢驗區顯色反應判斷方法          | TW      | 12/27/2002  | B              |
|            | 92118040        | 平板式燈源                   | TW      | 7/1/2003    | B              |
|            | 92122420        | 電池電量偵測方法及裝置             | TW      | 8/14/2003   | B              |
|            | 92108864        | 具除塵裝置之掃描器               | TW      | 4/16/2003   | B              |
|            | 92104496        | 光源模組結構及其設計方法            | TW      | 3/4/2003    | B              |
|            | 92217035        | 導光板結構及背光模組              | TW      | 9/23/2003   | B              |
|            | 92218097        | 背光模組                    | TW      | 10/9/2003   | B              |
|            | 93100110        | 直下式背光模組                 | TW      | 1/5/2004    | B              |
|            | 90103489        | 口袋式掃描裝置                 | TW      | 2/15/2001   | B              |
|            | 90108214        | 提昇掃描解析度之方法與裝置           | TW      | 4/4/2001    | B              |
|            | 90118531        | 自動擷取靜態影像之裝置及方法          | TW      | 7/31/2001   | B              |
|            | 90114514        | 改變驅動時序以輸出電荷耦合元件信號之方法    | TW      | 6/15/2001   | B              |
|            | 90113780        | 掃描速度之控制裝置及控制方法          | TW      | 6/7/2001    | B              |
|            | 90115716        | 掃描器之區域影像掃描方法            | TW      | 6/28/2001   | B              |
|            | 90114255        | 自動設定掃描參數之裝置及方法          | TW      | 6/13/2001   | B              |
|            | 90112059        | 光學系統                    | TW      | 5/21/2001   | B              |
|            | 91134231        | 幫助自我控制血糖值的血糖值長期觀測圖表建立方法 | TW      | 11/25/2002  | B              |
|            | 92120767        | 光源模組結構及其設計方法            | TW      | 7/30/2003   | B              |
|            | 91138108        | 利用上升曲線判斷血醣濃度            | TW      | 12/31/2002  | B              |
|            | 91115508        | 雙面式影像掃描模組及其掃描方法         | TW      | 7/12/2002   | B              |

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|------------|-----------------|-----------------------------|---------|-------------|----------------|
|            | 89106692        | 具有同步記憶體之掃描器及其操作方法           | TW      | 4/11/2000   | B              |
|            | 90201622        | 附有平面式背光模組之平台式影像掃描裝置         | TW      | 2/1/2001    | B              |
|            | 90119736        | 可下載週邊裝置韌體程式碼的週邊裝置及方法        | TW      | 8/13/2001   | B              |
|            | 90122232        | 一種用於校準影像輸入裝置之影像框選範圍的方法      | TW      | 9/7/2001    | B              |
|            | 90128363        | 具有功能選項之文件自動辨識及執行方法及其裝置      | TW      | 11/8/2001   | B              |
|            | 91106266        | 增加訊號雜訊比的方法                  | TW      | 3/29/2002   | B              |
|            | 91213512        | 具有導光效果之透明平板                 | TW      | 8/29/2002   | B              |
|            | 90111786        | 自動依文件屬性進行掃描之掃描方法與掃描系統       | TW      | 5/17/2001   | B              |
|            | 91108770        | 校正影像放大率的方法                  | TW      | 4/26/2002   | B              |
|            | 91115133        | 影像感應補償方法及影像感應補償結構           | TW      | 7/9/2002    | B              |
|            | 79208787        | 彩色光學閱讀機之導軌式濾鏡驅動裝置           | TW      | 8/8/1990    | B              |
|            | 81214289        | 光學閱讀機之濾鏡驅動裝置                | TW      | 10/23/1992  | B              |
|            | 81300598        | 透明片掃描機                      | TW      | 1/24/1992   | B              |
|            | 81201140        | 透明片掃描之光源裝置                  | TW      | 1/25/1992   | B              |
|            | 81307991        | 影像掃描機                       | TW      | 10/21/1992  | B              |
|            | 81209583        | 彩色光學閱讀機之滾筒式濾鏡驅動裝置           | TW      | 7/18/1992   | B              |
|            | 81108180        | 一種消除掃描影像條紋現象之方法             | TW      | 10/15/1992  | B              |
|            | 81214018        | 一種消除影像橫條現象之裝置               | TW      | 10/17/1992  | B              |
|            | 82204317        | 光學濾鏡裝置                      | TW      | 4/7/1993    | B              |
|            | 82109501        | 一種簡易數位式控制數位訊號同步方法           | TW      | 11/11/1993  | B              |
|            | 83302819        | 電腦視訊轉換器                     | TW      | 4/15/1994   | B              |
|            | 83102678        | 利用簡易條碼快速將掃描文件自動歸檔建立索引之方法及裝置 | TW      | 3/26/1994   | B              |
|            | 83202609        | 瓦楞紙式包裝緩衝結構                  | TW      | 2/25/1994   | B              |
|            | 83301420        | 透明片掃描裝置附件                   | TW      | 2/26/1994   | B              |
|            | 83301421        | 影像掃描機                       | TW      | 3/9/1994    | B              |
|            | 83209206        | 光學掃描機活動底板之抽取結構              | TW      | 6/29/1994   | B              |
|            | 83206950        | 透明片掃描用之燈罩滑動結構               | TW      | 5/19/1994   | B              |
|            | 83206947        | 光學掃描機燈罩亮度補償之改良              | TW      | 5/19/1994   | B              |
|            | 83206946        | 光學掃描機結構改良                   | TW      | 5/19/1994   | B              |
|            | 83111987        | 全文檢索觸發之方法及裝置                | TW      | 12/20/1994  | B              |
|            | 84300617        | 滾輪式灰階掃描器                    | TW      | 1/24/1995   | B              |
|            | 84300616        | 專業電腦影像轉換器                   | TW      | 1/24/1995   | B              |
|            | 84300322        | 透明片掃描機                      | TW      | 1/14/1995   | B              |
|            | 84308430        | 透明片掃描裝置附件                   | TW      | 1/14/1995   | B              |
|            | 85306927        | 自動送紙機                       | TW      | 3/10/1995   | B              |
|            | 84300320U01     | 影像掃描機聯合 (一)                 | TW      | 1/14/1995   | B              |
|            | 84300324        | 光碟機                         | TW      | 1/14/1995   | B              |
|            | 84300321        | 個人文件影像掃描機                   | TW      | 1/14/1995   | B              |
|            | 84300320        | 影像掃描機                       | TW      | 1/14/1995   | B              |
|            | 84102887        | 分段式影像平行處理及傳輸之方法與系統          | TW      | 3/24/1995   | B              |
|            | 84203031        | 環保包裝結構                      | TW      | 3/9/1995    | B              |

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|            | 84102276A01     | 一種多量掃描之方法追加一             | TW      | 4/18/2000   | B              |
|            | 84100594        | 光學掃描器之影像同步處理裝置           | TW      | 1/24/1995   | B              |
|            | 84101288        | 一種掃描裝置之驅動方法              | TW      | 2/13/1995   | B              |
|            | 84209411        | 掃描機送紙器結構改良               | TW      | 7/5/1995    | B              |
|            | 84105643        | 光學掃描器之補點裝置               | TW      | 6/6/1995    | B              |
|            | 84111373        | 高效率多量掃描之方法               | TW      | 10/27/1995  | B              |
|            | 84307456        | 迷你型電腦視訊轉換器               | TW      | 9/8/1995    | B              |
|            | 84306269        | A3大型影像掃描機                | TW      | 7/29/1995   | B              |
|            | 85211624        | 多次掃描影像掃描裝置               | TW      | 7/29/1996   | B              |
|            | 85211358        | 三鏡片多次反射之光程裝置             | TW      | 7/24/1996   | B              |
|            | 85210929        | 光學掃描機掃描用之燈源裝置            | TW      | 7/17/1996   | B              |
|            | 85306928U01     | 掃描器聯合一                   | TW      | 8/24/1996   | B              |
|            | 85306928        | 掃描器                      | TW      | 8/23/1996   | B              |
|            | 85212615        | 具有改良移動機構之掃描用光學系統         | TW      | 8/17/1996   | B              |
|            | 85211695        | 雙鏡片多次反射之光程裝置             | TW      | 7/30/1996   | B              |
|            | 85216125        | 掃描用光學系統移動裝置改良            | TW      | 10/19/1996  | B              |
|            | 85308164        | 幻燈片掃描罩                   | TW      | 10/2/1996   | B              |
|            | 85214936        | 光學掃描機移動體扣合件結構改良          | TW      | 9/26/1996   | B              |
|            | 85307241        | 波浪型掃描器                   | TW      | 8/31/1996   | B              |
|            | 85309946        | 影像捕捉器                    | TW      | 11/26/1996  | B              |
|            | 85217717        | 包裝緩衝結構                   | TW      | 11/19/1996  | B              |
|            | 85113057        | 以多次加權取樣分別處理的影像處理裝置       | TW      | 10/24/1996  | B              |
|            | 85216287        | 雙鏡頭光學掃描機之鏡頭切換裝置改良        | TW      | 10/22/1996  | B              |
|            | 85218816        | 兼具反射與透光掃描功能之單一光源光學影像掃描裝置 | TW      | 12/5/1996   | B              |
|            | 86102455        | VGA轉TV之任意放大及縮小控制裝置       | TW      | 2/27/1997   | B              |
|            | 86200187        | 穿透式光學掃描機結構改良             | TW      | 1/7/1997    | B              |
|            | 86101988        | 數位掃描之運動失真補償裝置與操作方法       | TW      | 2/19/1997   | B              |
|            | 86201798        | 組合式複合包裝材                 | TW      | 2/1/1997    | B              |
|            | 86303065        | 送紙式掃描器                   | TW      | 4/14/1997   | B              |
|            | 86302865        | 送紙式掃描器                   | TW      | 4/10/1997   | B              |
|            | 86205421        | 光學掃描機之原稿面玻璃承載結構          | TW      | 4/8/1997    | B              |
|            | 86304517        | 電腦                       | TW      | 5/27/1997   | B              |
|            | 86206014        | 包裝用緩衝結構體                 | TW      | 4/17/1997   | B              |
|            | 86210433        | 可改變饋紙方向之饋紙式掃描裝置          | TW      | 6/24/1997   | B              |
|            | 86304745        | 掃描器(LIFE)                | TW      | 6/3/1997    | B              |
|            | 86208898        | 具有活動門蓋之殼體結構              | TW      | 5/30/1997   | B              |
|            | 86304517U01     | 電腦 (聯合一)                 | TW      | 5/27/1997   | B              |
|            | 86114627        | 監控保全系統                   | TW      | 10/7/1997   | B              |
|            | 86216724        | 掃描機移動體之鎖固結構              | TW      | 10/2/1997   | B              |
|            | 86305617        | 影像掃描器                    | TW      | 6/30/1997   | B              |
|            | 86218741        | 自動送紙機構(二)                | TW      | 11/7/1997   | B              |
|            | 86218742        | 自動送紙機構(一)                | TW      | 11/7/1997   | B              |
|            | 86217487        | 相機鏡頭光圈切換機構改良             | TW      | 10/16/1997  | B              |

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|            | 86216206        | 相機鏡頭調焦機構               | TW      | 9/23/1997   | B              |
|            | 86310232        | 掃描器                    | TW      | 11/28/1997  | B              |
|            | 86310212        | 掃描器                    | TW      | 11/28/1997  | B              |
|            | 86310211        | 掃描器                    | TW      | 11/28/1997  | B              |
|            | 86221595        | 攝像系統鏡頭模組球面運動之調整機構      | TW      | 12/29/1997  | B              |
|            | 86221512        | 相機鏡頭光圈切換機構改良(一)        | TW      | 12/27/1997  | B              |
|            | 86310294        | 掃描器                    | TW      | 12/2/1997   | B              |
|            | 86220492        | 數位相機之鏡頭移動機構            | TW      | 12/9/1997   | B              |
|            | 86221771        | 切換光圈機構                 | TW      | 12/31/1997  | B              |
|            | 86221594        | 影像拍攝系統影像擷取模組位置調整機構     | TW      | 12/29/1997  | B              |
|            | 88203711        | 滑動機件之鎖扣結構              | TW      | 3/12/1999   | B              |
|            | 87200346        | CMOS光學掃描裝置             | TW      | 1/9/1998    | B              |
|            | 87200596        | 進紙裝置(二)                | TW      | 1/14/1998   | B              |
|            | 87200597        | 進紙裝置(一)                | TW      | 1/14/1998   | B              |
|            | 87200764        | 內建式掃描機結構               | TW      | 1/16/1998   | B              |
|            | 87208294        | 光學掃描機鏡座定位裝置            | TW      | 5/27/1998   | B              |
|            | 87303899        | 掃描器 S12III             | TW      | 5/27/1998   | B              |
|            | 87202734        | 穿透式光學掃描機               | TW      | 2/25/1998   | B              |
|            | 87201821        | 接觸式掃描裝置                | TW      | 2/7/1998    | B              |
|            | 87305283        | 掃描器(DX-800)            | TW      | 7/21/1998   | B              |
|            | 87210819        | 電路板功能之測試裝置             | TW      | 7/6/1998    | B              |
|            | 87210675        | 掃描機導軌機構改良              | TW      | 7/3/1998    | B              |
|            | 87210136        | 鏡頭模組光圈自動切換機構           | TW      | 6/24/1998   | B              |
|            | 87304361        | 掃描器 ASTRA 620 SERIES   | TW      | 6/12/1998   | B              |
|            | 87214059        | 紙張重行定位機構               | TW      | 8/27/1998   | B              |
|            | 87214707        | 自動送紙器掃描影像擾動之矯正機構       | TW      | 9/7/1998    | B              |
|            | 87214276        | 一種可讓反射式掃描器掃描透片文件之裝置    | TW      | 8/31/1998   | B              |
|            | 87216676        | 可攜式影像掃描裝置              | TW      | 10/9/1998   | B              |
|            | 87216167        | 多相多齒模齒輪結構              | TW      | 9/30/1998   | B              |
|            | 87219674        | 具掃描裝置之監視器              | TW      | 11/26/1998  | B              |
|            | 88201007        | 可調整輝度之光程裝置             | TW      | 1/21/1999   | B              |
|            | 88200565        | 鏡頭之改良多片式光圈             | TW      | 1/14/1999   | B              |
|            | 88210245        | 移行機構之連結排線防護結構          | TW      | 6/22/1999   | B              |
|            | 88303368        | 相機及其底座                 | TW      | 5/24/1999   | B              |
|            | 88116884        | 具有反向雙傳動機構的影像掃描裝置與方法    | TW      | 9/30/1999   | B              |
|            | 88211363        | 手帶自動回收束緊之相機            | TW      | 7/8/1999    | B              |
|            | 88215789        | 上透片附件(UTA)之光源組件用防抖動機構  | TW      | 9/15/1999   | B              |
|            | 88114079        | 掃描器人機介面執行方法及應用其之系統(一)  | TW      | 8/18/1999   | B              |
|            | 88114080        | 掃描器人機介面執行方法及應用其之系統(二)  | TW      | 8/18/1999   | B              |
|            | 88216156        | 皮帶牽引線之張力調整機構           | TW      | 9/22/1999   | B              |
|            | 88219499        | 內建使用IEEE1394介面儲存裝置之掃描器 | TW      | 11/17/1999  | B              |
|            | 88120700        | 半透明軟體使用者介面製作方法         | TW      | 11/26/1999  | B              |
|            | 88306082        | 掃描器(EAGLE)             | TW      | 9/16/1999   | B              |
|            | 89200322        | 掃描器之驅動裝置               | TW      | 1/10/2000   | B              |

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|            | 89113470        | 掃描器之調焦機構與方法              | TW      | 7/7/2000    | B              |
|            | 89217604        | 具有掃描區域選取裝置之影像掃描裝置        | TW      | 1/21/2000   | B              |
|            | 89211693        | 可進行單色與彩色掃描之掃描器           | TW      | 7/7/2000    | B              |
|            | 90127725        | 掃描器之多次無方向性掃描方法           | TW      | 11/8/2001   | B              |
|            | 89211695        | 掃描器之傳動機構                 | TW      | 7/7/2000    | B              |
|            | 89203084        | 掃描器之軸套裝置                 | TW      | 2/25/2000   | B              |
|            | 89208099        | 光學掃描器上的直流馬達譯碼器的裝置結構      | TW      | 5/15/2000   | B              |
|            | 89301129        | 掃描器(kangaroo)            | TW      | 2/19/2000   | B              |
|            | 89122370        | 影像掃描器之光線傳輸及感測裝置          | TW      | 10/24/2000  | B              |
|            | 89211873        | 掃描器之承架水平自動調整裝置           | TW      | 7/11/2000   | B              |
|            | 89211697        | 凹槽滑動式掃描裝置                | TW      | 7/7/2000    | B              |
|            | 89211699        | 自走式掃描裝置                  | TW      | 7/7/2000    | B              |
|            | 89113163        | 單一燈源之穿透/反射兩用之掃描方法        | TW      | 7/4/2000    | B              |
|            | 89110440        | 紅外線於光學掃描器使用上之改良方法        | TW      | 5/30/2000   | B              |
|            | 89207838        | 光學掃描器之光源機構               | TW      | 5/10/2000   | B              |
|            | 89121671        | 掃描裝置                     | TW      | 10/17/2000  | B              |
|            | 89211622        | 可切換解析度之光學掃描器             | TW      | 7/6/2000    | B              |
|            | 89118887        | 鑑知系統調整轉換作用值範圍的方法         | TW      | 9/15/2000   | B              |
|            | 91200014        | 穿透式模組之組合傳動架構             | TW      | 1/4/2002    | B              |
|            | 89214860        | 掃描器之調焦裝置                 | TW      | 8/29/2000   | B              |
|            | 89217904        | 反射與穿透式掃描裝置               | TW      | 10/17/2000  | B              |
|            | 90201536        | 可切換反射式或透射式之掃描系統裝置        | TW      | 1/30/2001   | B              |
|            | 89213386        | 影像掃描裝置之可移動校正區調整結構        | TW      | 8/2/2000    | B              |
|            | 90101244        | 自動對焦機構及方法                | TW      | 1/19/2001   | B              |
|            | 89219075        | 光學反射裝置                   | TW      | 11/3/2000   | B              |
|            | 89215533        | 具有反射式與穿透式掃描光路切換鏡片之影像掃描裝置 | TW      | 9/7/2000    | B              |
|            | 91200048        | 具有多種影像擷取模式之掃描器           | TW      | 1/8/2002    | B              |
|            | 89119120        | 同步動態隨機存取記憶體掃描器及記憶體存取方法   | TW      | 9/18/2000   | B              |
|            | 89215793        | 掃描器之快速組裝結構               | TW      | 9/13/2000   | B              |
|            | 90120583        | 提高調變轉換函數之交錯式感測器及應用其之方法   | TW      | 8/22/2001   | B              |
|            | 90119865        | 提高調變轉換函數之方法              | TW      | 8/14/2001   | B              |
|            | 89124755        | 控制掃描器多組馬達與感測器的裝置與方法      | TW      | 11/22/2000  | B              |
|            | 89122404        | 掃描器光學掃描模組之雙向驅動裝置及方法      | TW      | 10/25/2000  | B              |
|            | 89119046        | 具有複合功能按鍵之掃描器輸入裝置與操作方法    | TW      | 9/16/2000   | B              |
|            | 89221774        | 一種掃描裝置之可縮合式外殼裝置          | TW      | 12/15/2000  | B              |
|            | 90100388        | 掃描器之影像掃描系統與方法            | TW      | 1/8/2001    | B              |
|            | 90210940        | 自動送紙器之調焦裝置               | TW      | 6/29/2001   | B              |
|            | 90202476        | 掃描器之背光源照明區域改良結構          | TW      | 2/20/2001   | B              |
|            | 89307789        | 掃描器(astra4400)           | TW      | 11/20/2000  | B              |
|            | 89307788        | 掃描器(astra5500)           | TW      | 11/20/2000  | B              |
|            | 90102692        | 可繪圖編輯之掃描器                | TW      | 2/7/2001    | B              |

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|            | 90200331        | 貼合有鍍膜反射薄板之光學引擎              | TW      | 1/9/2001    | B              |
|            | 90105346        | 可自動定位影像讀取裝置之光學掃描器           | TW      | 3/7/2001    | B              |
|            | 90108255        | 掃描器連接介面及使用其之週邊裝置與方法         | TW      | 4/6/2001    | B              |
|            | 90108256        | 部分掃描區域亮度補償之判斷方法             | TW      | 4/6/2001    | B              |
|            | 90110224        | 筆型掃描裝置                      | TW      | 4/27/2001   | B              |
|            | 90201919        | 鋼線調整機構                      | TW      | 2/8/2001    | B              |
|            | 90120795        | 一種自動進紙機構之文件檢測方法             | TW      | 8/24/2001   | B              |
|            | 90213348        | 可攜式掃描裝置                     | TW      | 8/6/2001    | B              |
|            | 90210245        | 一種改良之掃描透片模組                 | TW      | 6/19/2001   | B              |
|            | 90206234        | 承載模組減震裝置                    | TW      | 4/20/2001   | B              |
|            | 90129928        | 可統一共用連接介面之系統與方法及其中之掃描器及周邊裝置 | TW      | 12/4/2001   | B              |
|            | 90113779        | 影像掃描之振動補償裝置及振動補償方法          | TW      | 6/7/2001    | B              |
|            | 90113777        | 影像掃描補償裝置                    | TW      | 6/7/2001    | B              |
|            | 90115904        | 檢測自動送紙掃描裝置歪斜方法              | TW      | 6/29/2001   | B              |
|            | 90108259        | 具有複數個界面之週邊產品的省電方法以及裝置       | TW      | 4/6/2001    | B              |
|            | 90208074        | 齒輪結構                        | TW      | 5/17/2001   | B              |
|            | 90111384        | 具有掃描功能之掌上型事務機               | TW      | 5/11/2001   | B              |
|            | 90108739        | 擷取一數位圖片的方法及系統               | TW      | 4/12/2001   | B              |
|            | 90212294        | 影像掃描裝置                      | TW      | 7/20/2001   | B              |
|            | 90114257        | 具有全區域精確定位之掃描器及方法            | TW      | 6/13/2001   | B              |
|            | 90207269        | 掃描器之掃描載具之固定結構               | TW      | 5/4/2001    | B              |
|            | 90206092        | 固定掃描載具反射片之裝置                | TW      | 4/18/2001   | B              |
|            | 90112470        | 掃描系統之影像擷取方法                 | TW      | 5/24/2001   | B              |
|            | 90114647        | 自動掃描系統及掃描方法                 | TW      | 6/15/2001   | B              |
|            | 90111787        | 不需要二次掃描之掃描系統及掃描方法           | TW      | 5/17/2001   | B              |
|            | 90213217        | 自動掃描裝置                      | TW      | 8/3/2001    | B              |
|            | 90117051        | 具有自動饋進裝置之分離式掃描器             | TW      | 7/12/2001   | B              |
|            | 90207783        | 具自走式載架傳動裝置之掃描器              | TW      | 5/11/2001   | B              |
|            | 90115516        | 一步兩曝光之掃描方法                  | TW      | 6/27/2001   | B              |
|            | 90113304        | 掃描器上降低傳輸雜訊干擾的裝置與方法          | TW      | 6/1/2001    | B              |
|            | 90209412        | 多向自由度之樞紐結構                  | TW      | 6/6/2001    | B              |
|            | 90207460        | 具太陽能輔助電源之掃描器                | TW      | 5/8/2001    | B              |
|            | 90212634        | 伸縮式平衡裝置                     | TW      | 7/25/2001   | B              |
|            | 90208800        | 用以使載架與正時皮帶扣接之皮帶扣接裝置         | TW      | 5/29/2001   | B              |
|            | 90208434        | 具語言輸入操作功能之掃描器               | TW      | 5/23/2001   | B              |
|            | 90121534        | 用於製造掃描器的半自動化調整機構            | TW      | 8/30/2001   | B              |
|            | 90206061        | 附有備用傳動皮帶之傳動機構               | TW      | 4/18/2001   | B              |
|            | 90114060        | 具有饋紙式與平台式雙重掃描功能之掃描器控制方法     | TW      | 6/11/2001   | B              |
|            | 90113778        | 可減少多張影像掃描時間的方法              | TW      | 6/7/2001    | B              |
|            | 90208801        | 旋轉式光路對準裝置                   | TW      | 5/29/2001   | B              |
|            | 90114256        | 一步多段曝光掃描方法                  | TW      | 6/13/2001   | B              |
|            | 90208010        | 光機模組之結合裝置                   | TW      | 5/17/2001   | B              |

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|            | 90113736        | 光學掃描器之掃描方法         | TW      | 6/6/2001    | B              |
|            | 90207458        | 以掀蓋控制之掃描器電源啟閉裝置    | TW      | 5/8/2001    | B              |
|            | 90113303        | 掃描器之顏色掃描自動判斷方法     | TW      | 6/1/2001    | B              |
|            | 90211673        | 自動回位鎖固裝置           | TW      | 7/13/2001   | B              |
|            | 90210748        | 透射式掃描光源裝置          | TW      | 6/27/2001   | B              |
|            | 90129604        | 一種補償記憶體之設計方法與裝置    | TW      | 11/30/2001  | B              |
|            | 90209284        | 影像掃描器之底片掃描裝置       | TW      | 6/5/2001    | B              |
|            | 90114061        | 自動辨識掃描區域的方法        | TW      | 6/11/2001   | B              |
|            | 90122855        | 自動送紙器之景深調整裝置及方法    | TW      | 9/14/2001   | B              |
|            | 90211562        | 掃描器之指紋採集輔助裝置       | TW      | 7/10/2001   | B              |
|            | 90117000        | 可置換式模組化連結傳動裝置      | TW      | 7/11/2001   | B              |
|            | 90112467        | 影像測試用圖表檢具          | TW      | 5/24/2001   | B              |
|            | 90215547        | 自動饋紙裝置之饋紙滾輪壓力調節機構  | TW      | 9/10/2001   | B              |
|            | 90213170        | 自動饋紙裝置之壓紙及擋紙整合彈片結構 | TW      | 8/3/2001    | B              |
|            | 90213171        | 具有相對易斷點之物件夾持結構     | TW      | 8/3/2001    | B              |
|            | 90212331        | 小型化聚焦透鏡之結構         | TW      | 7/20/2001   | B              |
|            | 90211561        | 掃描器之光程調整機構         | TW      | 7/10/2001   | B              |
|            | 90122596        | 步進馬達之控制裝置及其控制方法    | TW      | 9/12/2001   | B              |
|            | 91114899        | 判斷傳動裝置之傳動步相之方法     | TW      | 7/5/2002    | B              |
|            | 90119091        | 電荷耦合元件之辨識裝置        | TW      | 8/3/2001    | B              |
|            | 90119093        | 掃描方法               | TW      | 8/3/2001    | B              |
|            | 90223292        | 掃描器文件承載裝置          | TW      | 12/28/2001  | B              |
|            | 90131472        | 步進馬達控制裝置及其控制方法     | TW      | 12/19/2001  | B              |
|            | 90124017        | 影像掃描之多次取樣方法        | TW      | 9/28/2001   | B              |
|            | 90132646        | 自動辨別影像物大小之掃描方法與裝置  | TW      | 12/28/2001  | B              |
|            | 90116718        | 攝像設備中的高速校準方法與系統    | TW      | 7/9/2001    | B              |
|            | 90131275        | 檢測調校掃描器傳動機構之裝置及方法  | TW      | 12/18/2001  | B              |
|            | 90212543        | 光學鏡頭承靠結構           | TW      | 7/24/2001   | B              |
|            | 90212541        | 高度調整結構             | TW      | 7/24/2001   | B              |
|            | 90217845        | 可聲控之掃描器            | TW      | 10/19/2001  | B              |
|            | 90114648        | 攝像設備的校正方法          | TW      | 6/15/2001   | B              |
|            | 90211999        | 可置換校正片之光學掃描器       | TW      | 7/17/2001   | B              |
|            | 90119095        | 掃描方法               | TW      | 8/3/2001    | B              |
|            | 90116664        | 一種用於掃描器的文件自動掃描方法   | TW      | 7/6/2001    | B              |
|            | 90213699        | 紙張輸送裝置之寬度調整機構      | TW      | 8/10/2001   | B              |
|            | 90211432        | 一種掃描器之文件承載面結構      | TW      | 7/6/2001    | B              |
|            | 90215894        | 掃描器之調校裝置           | TW      | 9/14/2001   | B              |
|            | 90125181        | 解決光電子交互耦合之方法       | TW      | 10/12/2001  | B              |
|            | 90212540        | 夾持結構               | TW      | 7/24/2001   | B              |
|            | 90215857        | 光學影像掃描模組之彈性承載結構    | TW      | 9/14/2001   | B              |
|            | 90213861        | 光學掃描器蓋板運送裝置        | TW      | 8/14/2001   | B              |
|            | 90215079        | 移行模組之排線壓制定位結構      | TW      | 9/3/2001    | B              |
|            | 90214439        | 承載裝置               | TW      | 8/23/2001   | B              |
|            | 90212420        | 反射鏡片承靠結構           | TW      | 7/23/2001   | B              |

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|            | 90215078        | 具有文件導引及壓平構件之直立式掃描器掀蓋結構    | TW      | 9/3/2001    | B              |
|            | 90215077        | 掃描器光學模組之鏡頭固定結構            | TW      | 9/3/2001    | B              |
|            | 90117961        | 從多堆疊感測器陣列讀取像素訊號的方法        | TW      | 7/24/2001   | B              |
|            | 90215080        | 移行模組之傳動皮帶壓制限位結構           | TW      | 9/3/2001    | B              |
|            | 90213862        | 文件固定裝置                    | TW      | 8/14/2001   | B              |
|            | 90121808        | 適用於掃描器上的光學裝置及方法           | TW      | 9/4/2001    | B              |
|            | 90122230        | 一種掃描器自動框選一負片一連續負片之有效範圍方法  | TW      | 9/7/2001    | B              |
|            | 90129244        | 步進馬達                      | TW      | 11/27/2001  | B              |
|            | 90130298        | 步進馬達抑制震動控制裝置及其控制方法        | TW      | 12/7/2001   | B              |
|            | 90133066        | 利用重力加速度掃描之掃描裝置            | TW      | 12/31/2001  | B              |
|            | 90131473        | 偵測馬達驅動晶片形式的方法             | TW      | 12/19/2001  | B              |
|            | 90130300        | 提昇掃描速度之方法及掃描系統            | TW      | 12/7/2001   | B              |
|            | 90124611        | 增進掃描速度之方法及掃描系統            | TW      | 10/5/2001   | B              |
|            | 90122970        | 掃描器掃描壓縮比自動判別法             | TW      | 9/19/2001   | B              |
|            | 90214253        | 自走式傳動機構                   | TW      | 8/21/2001   | B              |
|            | 90214965        | 滑牙孔螺絲鎖付構件                 | TW      | 8/31/2001   | B              |
|            | 90214797        | 一種用於名片型掃描器之傳動裝置           | TW      | 8/29/2001   | B              |
|            | 90123863        | 即時影像壓縮及色表影像壓縮之處理方法        | TW      | 9/27/2001   | B              |
|            | 90131474        | 掃描器影像補償方法                 | TW      | 12/19/2001  | B              |
|            | 90126135        | 可支援各式接腳之連接器的主機板及其設計方法     | TW      | 10/23/2001  | B              |
|            | 90128447        | 不同連接器共用同一區域之印刷電路板及其偵測方法   | TW      | 11/16/2001  | B              |
|            | 90118004        | 掃描灰階影像之方法及系統              | TW      | 7/24/2001   | B              |
|            | 90121567        | 消除步進馬達運動時所產生之雜訊對感光元件干擾之方法 | TW      | 8/31/2001   | B              |
|            | 90126137        | 利用K值補償拉鍊影像及計算K值的方法        | TW      | 10/23/2001  | B              |
|            | 90127726        | 淡化拉鍊影像的方法                 | TW      | 11/8/2001   | B              |
|            | 90215102        | 掃描器軸套裝置                   | TW      | 9/4/2001    | B              |
|            | 90217517        | 移行模組之排線夾制定位件              | TW      | 10/15/2001  | B              |
|            | 90216604        | 鎖固維護裝置                    | TW      | 9/28/2001   | B              |
|            | 90133091        | 掃描器之雙向序列控制方法及裝置           | TW      | 12/31/2001  | B              |
|            | 90132645        | 旋轉式光學掃描裝置及方法              | TW      | 12/28/2001  | B              |
|            | 90222718        | 掃描器檢測裝置                   | TW      | 12/25/2001  | B              |
|            | 90217024        | 自動送紙裝置之置紙式平台改良結構          | TW      | 10/5/2001   | B              |
|            | 90123709        | 傳動機構                      | TW      | 9/26/2001   | B              |
|            | 90215546        | 直立式掃描器之光學模組承載及移行結構        | TW      | 9/10/2001   | B              |
|            | 90215666        | 齒輪嚙合緩衝機構                  | TW      | 9/12/2001   | B              |
|            | 90126136        | 掃描器之高解析度感測方法              | TW      | 10/23/2001  | B              |
|            | 90215214        | 移行模組之排線箝制定位件              | TW      | 9/5/2001    | B              |
|            | 90123517        | 可變化光程長導光裝置及方法             | TW      | 9/25/2001   | B              |
|            | 90128419        | 一種光程增加模組                  | TW      | 11/16/2001  | B              |
|            | 90217023        | 螺柱之置換裝置                   | TW      | 10/5/2001   | B              |

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|            | 90217027        | 單刀雙開二維編碼電路            | TW      | 10/5/2001   | B              |
|            | 90217026        | 掃描器之文件壓制及定位結構         | TW      | 10/5/2001   | B              |
|            | 90219171        | 可更換不同背景顏色之掃描器蓋板       | TW      | 11/8/2001   | B              |
|            | 91114900        | 影像擷取聚光裝置及方法           | TW      | 7/5/2002    | B              |
|            | 90219206        | 皮帶定位結構                | TW      | 11/8/2001   | B              |
|            | 90217607        | 彈簧定位結構                | TW      | 10/16/2001  | B              |
|            | 90219586        | 蓋板轉軸緩衝機構              | TW      | 11/14/2001  | B              |
|            | 90126969        | 影像掃描系統之校正方法           | TW      | 10/31/2001  | B              |
|            | 90218525        | 光學機構調整圖表              | TW      | 10/30/2001  | B              |
|            | 90130740        | 攝像裝置的自動偵測系統           | TW      | 12/12/2001  | B              |
|            | 90218997        | 光學掃描器校正色板             | TW      | 11/6/2001   | B              |
|            | 90219205        | 取紙機構                  | TW      | 11/8/2001   | B              |
|            | 90127591        | 具可提供掃描背景之透射模組之掃描器     | TW      | 11/6/2001   | B              |
|            | 91219954        | 光學掃描器                 | TW      | 12/10/2002  | B              |
|            | 90130302        | 用以投影與擷取一顯示介面的裝置       | TW      | 12/7/2001   | B              |
|            | 90217918        | 掃描器之鏡頭固定機構            | TW      | 10/19/2001  | B              |
|            | 90219207        | 光學掃描器燈管固定裝置           | TW      | 11/8/2001   | B              |
|            | 90218251        | 可調夾合距離之掃描器掀蓋結構        | TW      | 10/25/2001  | B              |
|            | 90219170        | 傳輸訊號延遲式電磁干擾防制電路       | TW      | 11/8/2001   | B              |
|            | 90125501        | 在批次或多次掃描後執行自動對焦之方法    | TW      | 10/16/2001  | B              |
|            | 90219208        | 軸棒承靠結構                | TW      | 11/8/2001   | B              |
|            | 90222563        | 掃描器之光源補光裝置            | TW      | 12/21/2001  | B              |
|            | 90219953        | 影像擷取單元軸套裝置            | TW      | 11/20/2001  | B              |
|            | 90218250        | 具有旋轉式蓋板之掃描器           | TW      | 10/25/2001  | B              |
|            | 90129003        | 批次掃描即時顯示之影像掃描裝置及其操作方法 | TW      | 11/23/2001  | B              |
|            | 90221095        | 一種改良的平台式掃描器           | TW      | 12/4/2001   | B              |
|            | 90125504        | 將掃描器之掃描資料多次取樣及平均運算之方法 | TW      | 10/16/2001  | B              |
|            | 90129004        | 掃描器之選擇性壓縮功能           | TW      | 11/23/2001  | B              |
|            | 90223299        | 具可抹寫之掃描器              | TW      | 12/28/2001  | B              |
|            | 90129590        | 使影像掃描裝置之正規掃描範圍對映預覽    | TW      | 11/29/2001  | B              |
|            | 91201297        | 光學掃描器手動變速裝置           | TW      | 2/5/2002    | B              |
|            | 90220691        | 掃描器之文件蓋與上下蓋之結合結構      | TW      | 11/29/2001  | B              |
|            | 90223298        | L型反射鏡面組               | TW      | 12/28/2001  | B              |
|            | 90222764        | 線性導引機構                | TW      | 12/25/2001  | B              |
|            | 90221096        | 一種應用於掃描器之可裝卸的掃描平台構造   | TW      | 12/4/2001   | B              |
|            | 90223169        | 影像掃描裝置光學模組之光補償結構      | TW      | 12/27/2001  | B              |
|            | 90223792        | 光學影像擷取裝置              | TW      | 12/31/2001  | B              |
|            | 90132963        | 具有多種畫素尺寸之影像感知器        | TW      | 12/28/2001  | B              |
|            | 91205293        | 具有定位點的覆蓋式掃描器          | TW      | 4/19/2002   | B              |
|            | 91217163        | 線性導引對焦裝置              | TW      | 10/25/2002  | B              |
|            | 90221946        | 線性微調裝置                | TW      | 12/14/2001  | B              |
|            | 91116234        | 光學掃描器                 | TW      | 7/22/2002   | B              |
|            | 90223791        | 線性導引裝置                | TW      | 12/31/2001  | B              |
|            | 90222930        | 夾持裝置                  | TW      | 12/26/2001  | B              |

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|            | 90132294        | 自動調整尖銳化加權值的方法            | TW      | 12/26/2001  | B              |
|            | 91201524        | 掃描裝置                     | TW      | 2/7/2002    | B              |
|            | 90223793        | 光學鏡頭微調結構                 | TW      | 12/31/2001  | B              |
|            | 90223789        | 光學掃描器透光板                 | TW      | 12/31/2001  | B              |
|            | 90223790        | 原稿面微調機構                  | TW      | 12/31/2001  | B              |
|            | 91200845        | 電路板固定裝置                  | TW      | 1/28/2002   | B              |
|            | 90132622        | 掃描器之可動式鎖固裝置及其鎖固方法        | TW      | 12/27/2001  | B              |
|            | 90132295        | 攝像裝置的補償方法                | TW      | 12/26/2001  | B              |
|            | 90223758        | 影像擷取系統的鏡片強化與抗震機構         | TW      | 12/31/2001  | B              |
|            | 91200204        | 傳動皮帶夾持裝置                 | TW      | 1/14/2002   | B              |
|            | 90133068        | 影像擷取系統之光路佈局及其達成方法        | TW      | 12/31/2001  | B              |
|            | 90222937        | 光學掃描器光源聚光裝置              | TW      | 12/26/2001  | B              |
|            | 90132686        | 掃描器用光學載具及形成方法            | TW      | 12/28/2001  | B              |
|            | 90132687        | 雙向掃描的掃描方式                | TW      | 12/28/2001  | B              |
|            | 91202095        | 文件翻譯掃描器                  | TW      | 2/21/2002   | B              |
|            | 90224200        | 掃描器傳動機構之改良裝置             | TW      | 12/31/2001  | B              |
|            | 91115608        | 用以接收光信號之光感應元件            | TW      | 7/12/2002   | B              |
|            | 91202043        | 讀字掃描器                    | TW      | 2/20/2002   | B              |
|            | 90223227        | 掃描器之調校裝置                 | TW      | 12/27/2001  | B              |
|            | 90223168        | 具有集光結構之饋紙式掃描器原稿承置面       | TW      | 12/27/2001  | B              |
|            | 91105505        | 結合列印頭之掃描模組的方法與系統         | TW      | 3/22/2002   | B              |
|            | 91105506        | 具有針孔成像裝置之光學掃描器           | TW      | 3/22/2002   | B              |
|            | 91109196        | 可立即清除輸入字串之方法及裝置          | TW      | 5/3/2002    | B              |
|            | 91109846        | 影像掃描裝置之焦距尋找方法            | TW      | 5/10/2002   | B              |
|            | 91112278        | 影像掃描裝置之選定區域掃描對焦方法        | TW      | 6/7/2002    | B              |
|            | 91109966        | 影像掃描裝置之最佳化自動調焦方法         | TW      | 5/14/2002   | B              |
|            | 91213450        | 影像掃描裝置之影像端光路調整結構         | TW      | 8/28/2002   | B              |
|            | 91102280        | 全覽與預覽畫面切換的操作方式與系統        | TW      | 2/7/2002    | B              |
|            | 91103240        | 利用互補式線對測量系統調變轉換函數值之方法    | TW      | 2/25/2002   | B              |
|            | 91107565        | 可變換掃描解析度之方法與其裝置          | TW      | 4/15/2002   | B              |
|            | 91207608        | 光路收合折疊裝置                 | TW      | 5/24/2002   | B              |
|            | 91202040        | 分張機構                     | TW      | 2/20/2002   | B              |
|            | 91113723        | 自動送紙式掃描器之掃描方法            | TW      | 6/24/2002   | B              |
|            | 91109978        | 文件感測器及其感測方法              | TW      | 5/14/2002   | B              |
|            | 91204837        | 壓紙機構                     | TW      | 4/12/2002   | B              |
|            | 91108282        | 負片觀看裝置                   | TW      | 4/22/2002   | B              |
|            | 91108283        | 可拍攝負片並顯示負片反相影像之影像擷取裝置及方法 | TW      | 4/22/2002   | B              |
|            | 91110462        | 用以穩固EMI磁蕊之彈性夾持裝置         | TW      | 5/17/2002   | B              |
|            | 91208605        | 光學掃描器之光源補償裝置             | TW      | 6/11/2002   | B              |
|            | 91108284        | 光源模組及其製造方法               | TW      | 4/22/2002   | B              |
|            | 91106824        | 自動進紙裝置                   | TW      | 4/4/2002    | B              |
|            | 91215037        | 感測元件之微調結構                | TW      | 9/24/2002   | B              |
|            | 91209775        | 掃描器屏蔽線纜之結構               | TW      | 6/28/2002   | B              |

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|            | 91107564        | 鏡頭檢驗治具                  | TW      | 4/15/2002   | B              |
|            | 91203646        | 遮光裝置                    | TW      | 3/25/2002   | B              |
|            | 91110574        | 解析度測試圖表之參考位置的偵測方法       | TW      | 5/20/2002   | B              |
|            | 91107563        | 掃描系統照明結構                | TW      | 4/15/2002   | B              |
|            | 91208126        | 模組化按鍵                   | TW      | 6/3/2002    | B              |
|            | 91204838        | 定位機構                    | TW      | 4/12/2002   | B              |
|            | 91112435        | 利用虛擬掃描框架進行掃描之方法         | TW      | 6/7/2002    | B              |
|            | 91110572        | 加速資料傳輸之影像資料處理方法         | TW      | 5/20/2002   | B              |
|            | 91110573        | 加速資料傳輸之影像資料處理方法         | TW      | 5/20/2002   | B              |
|            | 91117411        | 掃描器                     | TW      | 8/2/2002    | B              |
|            | 91205579        | 摩擦片傳動結構                 | TW      | 4/24/2002   | B              |
|            | 91205523        | 浮動式視窗                   | TW      | 4/23/2002   | B              |
|            | 91206013        | 接觸式掃描器之景深保持裝置及機構        | TW      | 4/30/2002   | B              |
|            | 91109315        | 具有透光狹縫的掃描模組             | TW      | 5/6/2002    | B              |
|            | 91123654        | 電荷耦合板之微調治具              | TW      | 10/15/2002  | B              |
|            | 91206994        | 光學感測器固定裝置               | TW      | 5/16/2002   | B              |
|            | 91209617        | 光學掃描模組鎖定裝置              | TW      | 6/26/2002   | B              |
|            | 91211436        | 設置於掃描器之容置結構             | TW      | 7/26/2002   | B              |
|            | 91116868        | 判斷回復位置的方法               | TW      | 7/29/2002   | B              |
|            | 91111220        | 自動調整臨限二色階畫質灰階值的方法       | TW      | 5/27/2002   | B              |
|            | 91115613        | 選擇色衰校正曲線之方法             | TW      | 7/12/2002   | B              |
|            | 91117367        | 色彩飽和度自動測試方法             | TW      | 8/1/2002    | B              |
|            | 91213141        | 可控制間隙之軸套                | TW      | 8/23/2002   | B              |
|            | 91210290        | 降低景深誤差之彈性裝置             | TW      | 7/5/2002    | B              |
|            | 91109646        | 掃描器中光源均勻化之方法            | TW      | 5/9/2002    | B              |
|            | 91217888        | 掃描頭之光學總成                | TW      | 11/7/2002   | B              |
|            | 91209349        | 緩衝避震結構                  | TW      | 6/21/2002   | B              |
|            | 91112615        | 具有雙面掃描功能之掃描器組及其中之光源控制方法 | TW      | 6/11/2002   | B              |
|            | 91113701        | 可消除雜散光之掃描器              | TW      | 6/21/2002   | B              |
|            | 91112968        | 可補償光路徑所造成之光衰減之補償光源及設計方法 | TW      | 6/13/2002   | B              |
|            | 91110205        | 搬運車及搬運車攀爬樓梯之方法          | TW      | 5/16/2002   | B              |
|            | 91211315        | 光學掃描模組之燈管異物清除固定治具       | TW      | 7/24/2002   | B              |
|            | 91214341        | 具有緩衝作用之掃描器外殼            | TW      | 9/12/2002   | B              |
|            | 91119097        | 產生校正曲線的方法               | TW      | 8/23/2002   | B              |
|            | 91215469        | 掃描裝置之緩衝結構               | TW      | 9/30/2002   | B              |
|            | 91119333        | 原稿面之相對亮度量測法             | TW      | 8/27/2002   | B              |
|            | 91114488        | 無捲軸方式的控制鈕及其控制方法         | TW      | 7/1/2002    | B              |
|            | 91211854        | 具有減速機構之掃描模組             | TW      | 8/1/2002    | B              |
|            | 91116869        | 光學掃描模組掃描穩定裝置            | TW      | 7/29/2002   | B              |
|            | 91113127        | 傳動機構及應用其之掃描器            | TW      | 6/17/2002   | B              |
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|            | 91209348        | 線性導引機構                  | TW      | 6/21/2002   | B              |
|            | 91209880        | 多傳輸影像掃描器                | TW      | 6/28/2002   | B              |
|            | 91217889        | 景深調測裝置                  | TW      | 11/7/2002   | B              |
|            | 91119086        | 掃描器                     | TW      | 8/23/2002   | B              |
|            | 91113446        | 裝置序號產生的方法               | TW      | 6/20/2002   | B              |
|            | 91111324        | 不需重新啟動應用                | TW      | 5/28/2002   | B              |
|            | 91209878        | 攝像文件固定裝置                | TW      | 6/28/2002   | B              |
|            | 91115614        | 文件饋入系統                  | TW      | 7/12/2002   | B              |
|            | 91111815        | 生產流動線以及使用此生產流動線之工件的生產方法 | TW      | 6/3/2002    | B              |
|            | 91115275        | 可避免錯誤影像之影像校正方法          | TW      | 7/10/2002   | B              |
|            | 91209879        | 齒輪傳動系統                  | TW      | 6/28/2002   | B              |
|            | 91113585        | 應用具有自我集光效果之光源元件的掃描器     | TW      | 6/21/2002   | B              |
|            | 91116195        | 光軸角度調節裝置及其調整方法          | TW      | 7/19/2002   | B              |
|            | 91115658        | 具有色度補償功能之掃描模組           | TW      | 7/15/2002   | B              |
|            | 91116322        | 全區段光學影像定址裝置             | TW      | 7/23/2002   | B              |
|            | 91121210        | 燈源模組                    | TW      | 9/17/2002   | B              |
|            | 91111027        | 掃描器電路結構                 | TW      | 5/24/2002   | B              |
|            | 91116443        | 掃描器                     | TW      | 7/24/2002   | B              |
|            | 91113978        | 應用於週邊裝置之錯誤回報及amend方法    | TW      | 6/26/2002   | B              |
|            | 91208915        | 焦深調整裝置                  | TW      | 6/14/2002   | B              |
|            | 91214878        | 軸桿之減震結構                 | TW      | 9/20/2002   | B              |
|            | 91216995        | 自動文件饋紙裝置及具有自動文件饋紙裝置之掃描器 | TW      | 10/24/2002  | B              |
|            | 91114786        | 掃描器之光源模組                | TW      | 7/4/2002    | B              |
|            | 91209919        | 手動扣合及自動掀開裝置             | TW      | 7/1/2002    | B              |
|            | 91119633        | 饋紙器之傳動機構                | TW      | 8/29/2002   | B              |
|            | 91115874        | 具有雙面掃描功能之掃描器2           | TW      | 7/16/2002   | B              |
|            | 91116064        | 具有雙面掃描功能之掃描器            | TW      | 7/18/2002   | B              |
|            | 91211595        | 滑軌高度調整組件                | TW      | 7/29/2002   | B              |
|            | 91120413        | 具有讓位功能之感測件              | TW      | 9/9/2002    | B              |
|            | 91214778        | 掃描器                     | TW      | 9/19/2002   | B              |
|            | 91118944        | 鏡頭模組                    | TW      | 8/22/2002   | B              |
|            | 91117269        | 判斷文件範圍之方法及其所對應的掃描器結構    | TW      | 8/1/2002    | B              |
|            | 91117410        | 掃描器                     | TW      | 8/2/2002    | B              |
|            | 91122105        | 能提升步進馬達的微步精度之定電流驅動電路    | TW      | 9/26/2002   | B              |
|            | 91115261        | 可補償感光元件所造成之色度差之色度補償鏡頭   | TW      | 7/9/2002    | B              |
|            | 91116306        | 具有光補償效應之燈管              | TW      | 7/22/2002   | B              |
|            | 91213961        | 掃描器之鎖固機構                | TW      | 9/5/2002    | B              |
|            | 91214641        | 自動調整皮帶張力之機構             | TW      | 9/17/2002   | B              |
|            | 91116065        | 掃描裝置2                   | TW      | 7/18/2002   | B              |
|            | 91116066        | 掃描裝置                    | TW      | 7/18/2002   | B              |
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|            | 91124948        | 鏡架組合              | TW      | 10/25/2002  | B              |
|            | 91114253        | 光學掃描器之影像校正方法與裝置   | TW      | 6/28/2002   | B              |
|            | 91211771        | 掃描器載架之自動鎖固裝置      | TW      | 7/31/2002   | B              |
|            | 91118945        | 可開啟定位文件蓋於上蓋上之掃描器  | TW      | 8/22/2002   | B              |
|            | 91116307        | 可穩定掃描模組之穩定模組      | TW      | 7/22/2002   | B              |
|            | 91121083        | 具有框選單元之掃描器及框選掃描方法 | TW      | 9/13/2002   | B              |
|            | 91116308        | 防止光機幌動裝置          | TW      | 7/22/2002   | B              |
|            | 91120805        | 雙向式自動饋紙機構及其饋紙方法   | TW      | 9/11/2002   | B              |
|            | 91121084        | 連續掃描時影像校正之方法      | TW      | 9/13/2002   | B              |
|            | 91118725        | 自動饋紙器             | TW      | 8/19/2002   | B              |
|            | 91120221        | 自動饋紙器             | TW      | 9/4/2002    | B              |
|            | 91116824        | 鏡頭微調裝置            | TW      | 7/26/2002   | B              |
|            | 91119316        | 自動饋紙器之夾持機構        | TW      | 8/26/2002   | B              |
|            | 91215716        | 具電性連接功能之掃描器樞軸裝置   | TW      | 10/3/2002   | B              |
|            | 91211772        | 具自動解鎖功能之掃描器載架鎖固裝置 | TW      | 7/31/2002   | B              |
|            | 91212873        | 具自動解鎖功能之掃描器載架鎖固機構 | TW      | 8/19/2002   | B              |
|            | 91124463        | 改善影像辨識率的方法        | TW      | 10/23/2002  | B              |
|            | 91137718        | 多條校正曲線之校正方法與裝置    | TW      | 12/27/2002  | B              |
|            | 91119933        | 去除色衰雜訊的方法         | TW      | 9/2/2002    | B              |
|            | 91119096        | 掃描器影像校正方法         | TW      | 8/23/2002   | B              |
|            | 91214438        | 雙層光學反射裝置          | TW      | 9/13/2002   | B              |
|            | 91211986        | 具有導光效果之導引機構       | TW      | 8/5/2002    | B              |
|            | 91216997        | 具有定位片承載結構之掃描器     | TW      | 10/24/2002  | B              |
|            | 91118639        | 調整反射鏡片至其最佳位置之方法   | TW      | 8/19/2002   | B              |
|            | 91215717        | 掃描器之載架傳動輔助系統      | TW      | 10/3/2002   | B              |
|            | 91120807        | 影像校正方法            | TW      | 9/11/2002   | B              |
|            | 91113831        | 多方摺紙式之緩衝包材        | TW      | 6/25/2002   | B              |
|            | 91209523        | 可堆疊式之緩衝包材         | TW      | 6/25/2002   | B              |
|            | 91216038        | 氣體吸震式包材           | TW      | 10/9/2002   | B              |
|            | 91216164        | 高度調整裝置            | TW      | 10/11/2002  | B              |
|            | 91213138        | 定位結構              | TW      | 8/23/2002   | B              |
|            | 91116321        | 導光裝置              | TW      | 7/23/2002   | B              |
|            | 91118156        | 防止卡鍵之按鍵結構及其設計方法   | TW      | 8/13/2002   | B              |
|            | 92201587        | 掃描模組之軟式連結排線摺疊架構   | TW      | 1/28/2003   | B              |
|            | 91211855        | 彈性固定機構            | TW      | 8/1/2002    | B              |
|            | 91124657        | 檢驗燈源製具及檢驗燈源方法     | TW      | 10/24/2002  | B              |
|            | 91214563        | 具開口與開口屏蔽物之機殼      | TW      | 9/16/2002   | B              |
|            | 91122567        | 可加速計算之影像資料雜訊過濾方法  | TW      | 9/30/2002   | B              |
|            | 91216222        | 一種防止影像失真的傳動裝置     | TW      | 10/11/2002  | B              |
|            | 91123516        | 鏡頭調整方法及其調整裝置      | TW      | 10/11/2002  | B              |
|            | 91134226        | 短光徑攝像裝置           | TW      | 11/25/2002  | B              |
|            | 91118262        | 光源裝置              | TW      | 8/14/2002   | B              |
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|            | 91217165        | 文件傳送裝置                 | TW      | 10/25/2002  | B              |
|            | 91220174        | 可調整鞋跟高度之結構             | TW      | 12/12/2002  | B              |
|            | 91216998        | 吹乾殺菌裝置                 | TW      | 10/24/2002  | B              |
|            | 91216855        | 線材固定結構                 | TW      | 10/22/2002  | B              |
|            | 91212597        | 掃描平台之承載結構              | TW      | 8/14/2002   | B              |
|            | 91216996        | 雙開式文件蓋                 | TW      | 10/24/2002  | B              |
|            | 91220175        | 插座組                    | TW      | 12/12/2002  | B              |
|            | 91219390        | 紙張分張裝置                 | TW      | 11/29/2002  | B              |
|            | 91221350        | 一種防止影像失真的傳動裝置          | TW      | 12/27/2002  | B              |
|            | 91117857        | 取消掃描裝置中之記憶體的方法         | TW      | 8/8/2002    | B              |
|            | 91216964        | 光程裝置                   | TW      | 10/23/2002  | B              |
|            | 91219729        | 具有排線拘束物之掃描器            | TW      | 12/5/2002   | B              |
|            | 91217959        | 具有排線拘束物之掃描器            | TW      | 11/8/2002   | B              |
|            | 91216925        | 鏡片之承靠與固定裝置             | TW      | 10/23/2002  | B              |
|            | 91219728        | 可攜式掃描器                 | TW      | 12/5/2002   | B              |
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|            | 91221302        | 複合式包裝結構                | TW      | 12/27/2002  | B              |
|            | 91220173        | 電源模組以及具有電源模組之光學掃描器     | TW      | 12/12/2002  | B              |
|            | 92200371        | 紙氣泡式緩衝材                | TW      | 1/9/2003    | B              |
|            | 91220382        | 定位件                    | TW      | 12/16/2002  | B              |
|            | 91219789        | 滾輪組件                   | TW      | 12/6/2002   | B              |
|            | 91119085        | 掃描器之影像邊界增強方法           | TW      | 8/23/2002   | B              |
|            | 91136734        | 試片之檢驗區反應值偵測方法          | TW      | 12/19/2002  | B              |
|            | 92200372        | 共用光源之掃描器               | TW      | 1/9/2003    | B              |
|            | 91220176        | 排線具有凸緣之掃描器             | TW      | 12/12/2002  | B              |
|            | 91220425        | 掃描器光學引擎之殼體結構           | TW      | 12/17/2002  | B              |
|            | 91138111        | 結合點光源與單一透鏡之裝置          | TW      | 12/31/2002  | B              |
|            | 91138107        | 可校正環境溫度效應之生物感測器及其方法    | TW      | 12/31/2002  | B              |
|            | 91138110        | 可提高測量可信度之生物晶片及其方法      | TW      | 12/31/2002  | B              |
|            | 91133671        | 影像擷取裝置之使用者介面及其影像資料分析方法 | TW      | 11/15/2002  | B              |
|            | 92118316        | 具多段偏壓調整之生物感測器及其方法      | TW      | 7/4/2003    | B              |
|            | 80206257        | 全自動高速光學字元辨認機           | TW      | 5/27/1991   | B              |
|            | 78301361        | 掌上型光學閱讀機               | TW      | 3/8/1989    | B              |
|            | 77201235        | 簡易光線折疊裝置               | TW      | 2/6/1988    | B              |
|            | 76308096        | 光學閱讀機                  | TW      | 12/30/1987  | B              |
|            | 80202515        | 彩色光學閱讀機掃描裝置            | TW      | 3/5/1991    | B              |
|            | 83106487        | 一種光學掃描機之操作介面方法         | TW      | 7/16/1994   | B              |
|            | 91209524        | 多鏡片反射之光程裝置             | TW      | 6/25/2002   | B              |
|            | 91208867        | 掃描器之可變光程調整結構           | TW      | 6/14/2002   | B              |
|            | 92200440        | 可避免灰塵附著反射鏡之光程裝置        | TW      | 1/10/2003   | B              |
|            | 91211872        | 驅動皮帶固定機構               | TW      | 8/2/2002    | B              |
|            | 91208606        | 直立式光學掃描器之掀蓋改良結構        | TW      | 6/11/2002   | B              |

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|------------|-----------------|--------------------------|---------|-------------|----------------|
|            | 91209774        | 掃描器之掃描物定位裝置              | TW      | 6/28/2002   | B              |
|            | 91212878        | 光學掃描器光源機構之改良             | TW      | 8/20/2002   | B              |
|            | 92202686        | 掃描器之自動饋紙傳動裝置             | TW      | 2/21/2003   | B              |
|            | 91206614        | 具彈性嵌固機構之軸套構件             | TW      | 5/10/2002   | B              |
|            | 91120046        | 光學機構調校圓形介面及其運作方法         | TW      | 9/3/2002    | B              |
|            | 91210213        | 掃描器之光藕合元件固定結構            | TW      | 7/5/2002    | B              |
|            | 91124952        | 分辨影像動態範圍的方法              | TW      | 10/25/2002  | B              |
|            | 91216591        | 掃描器輪座與承座之配合結構            | TW      | 10/18/2002  | B              |
|            | 92208059        | 影像掃描之光源模組                | TW      | 5/2/2003    | B              |
|            | 91132835        | 反射片集光機構                  | TW      | 11/7/2002   | B              |
|            | 91133324        | 具可調式光開口之掃描器              | TW      | 11/14/2002  | B              |
|            | 89110327        | 面光源的補償方法                 | TW      | 5/29/2000   | B              |
|            | 90131785        | 擷取文件的裝置與方法               | TW      | 12/21/2001  | B              |
|            | 91114465        | 可拖曳並格式化影像之方法與裝置          | TW      | 6/28/2002   | B              |
|            | 91117369        | 程式模組載入系統之方法              | TW      | 8/1/2002    | B              |
|            | 91113001        | 文件運送裝置                   | TW      | 6/14/2002   | B              |
|            | 91136735        | 具有共同照射光源之掃描器             | TW      | 12/19/2002  | B              |
|            | 91123655        | 應用匯流排電源之掃描器內部元件耗能分配架構與方法 | TW      | 10/15/2002  | B              |
|            | 91124656        | 文件傳送式掃描機構                | TW      | 10/24/2002  | B              |
|            | 91137719        | 讀取感測器的方法                 | TW      | 12/27/2002  | B              |
|            | 91125354        | 可調整迴轉區長度之掃描器及掃描方法        | TW      | 10/25/2002  | B              |
|            | 91124586        | 掃描器集光裝置                  | TW      | 10/23/2002  | B              |
|            | 91125116        | 提昇掃描效率之方法                | TW      | 10/25/2002  | B              |
|            | 92215729        | 發光二極體元件之發光模組             | TW      | 8/29/2003   | B              |
|            | 91116444        | 皮帶張力調整機構                 | TW      | 7/24/2002   | B              |
|            | 91113724        | 資料讀取裝置及其操作方法             | TW      | 6/24/2002   | B              |
|            | 91124955        | 降低影像雜訊的方法                | TW      | 10/25/2002  | B              |
|            | 92122681        | 具定位功能之燈管夾持機構與組合方法        | TW      | 8/18/2003   | B              |
|            | 83211591        | 彩色濾鏡傳動裝置                 | TW      | 8/11/1994   | B              |
|            | 86206103        | 自動對焦裝置                   | TW      | 4/18/1997   | B              |
|            | 86220576        | 重力式之影像切換裝置               | TW      | 12/10/1997  | B              |
|            | 86119816        | 具分離式顯示器的數位相機             | TW      | 12/26/1997  | B              |
|            | 88212809        | 隱藏式之相機觀景裝置               | TW      | 7/30/1999   | B              |
|            | 88111555        | 掃描系統掃描頭與透射式光源相對位置測量之方法   | TW      | 7/7/1999    | B              |
|            | 88115020        | 影像截取補償方法                 | TW      | 9/1/1999    | B              |
|            | 88115716        | 快速調整增益值與直流位準之電路與方法       | TW      | 9/13/1999   | B              |
|            | 89112585        | 光學掃描器之濾光方法及機構            | TW      | 6/20/2000   | B              |
|            | 89212174        | 具有音譜產生器之影像掃描裝置           | TW      | 7/14/2000   | B              |
|            | 89213263        | 穿透式燈源之旋轉結構               | TW      | 8/1/2000    | B              |
|            | 85211695A01     | 雙鏡片多次反射之光程裝置(追加一)        | TW      | 10/17/2000  | B              |
|            | 90117052        | 自動饋進系統                   | TW      | 7/12/2001   | B              |
|            | 90125502        | 以光源亮度為迴授之控制及調整方法         | TW      | 10/16/2001  | B              |

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|------------|-----------------|----------------------|---------|-------------|----------------|
|            | 90119092        | 具有延伸式通用輸出入接腳之電路架構    | TW      | 8/3/2001    | B              |
|            | 90119598        | 掃描器之RGB信號做色彩空間轉換之電路  | TW      | 8/10/2001   | B              |
|            | 90218084        | 光學掃描器吊掛裝置            | TW      | 10/23/2001  | B              |
|            | 90129159        | 光學掃描裝置之記憶體中影像資料排列方法  | TW      | 11/26/2001  | B              |
|            | 90223759        | 掃描器光源                | TW      | 12/31/2001  | B              |
|            | 91204203        | 光學感測器之散熱裝置及光學掃描模組    | TW      | 4/2/2002    | B              |
|            | 90112060        | 影像掃描器的穿透式掃描光源        | TW      | 5/21/2001   | B              |
|            | 90115905        | 偵測文件稿之掃描方法           | TW      | 7/2/2001    | B              |
|            | 90119094        | 掃描裝置之對焦方法            | TW      | 8/3/2001    | B              |
|            | 91120806        | 自動饋紙器                | TW      | 9/11/2002   | B              |
|            | 88215476        | 數位的自動增益裝置設計          | TW      | 9/10/1999   | B              |
|            | 90208701        | 掃描載具反射片之固定結構         | TW      | 5/28/2001   | B              |
|            | 91116235        | 光機模組及列印模組之運動方法及其轉換裝置 | TW      | 7/22/2002   | B              |
|            | 91120512        | 藉由校正資料參數調整影像之方法      | TW      | 9/9/2002    | B              |
|            | 91120047        | 步進馬達線性加減速之控制方法與裝置    | TW      | 9/3/2002    | B              |
|            | 91115260        | 附加文字於影像上之方法          | TW      | 7/9/2002    | B              |
|            | 92105570        | 提昇步進馬達加減速特性的方法       | TW      | 3/14/2003   | B              |
|            | 91213291        | 惰輪固定裝置               | TW      | 8/26/2002   | B              |
|            | 91138175        | 具可移動之反射鏡之光學模組        | TW      | 12/31/2002  | B              |
|            | 91121209        | 掃描方法                 | TW      | 9/17/2002   | B              |
|            | 91120045        | 掃描不規則物件的方法           | TW      | 9/3/2002    | B              |
|            | 91133114        | 可伸縮之掃描器              | TW      | 11/12/2002  | B              |
|            | 91138109        | 具有雙匯流之電子過速裝置         | TW      | 12/31/2002  | B              |
|            | 91125356        | 影像處理之方法              | TW      | 10/25/2002  | B              |
|            | 92105045        | 聚光裝置及其製造方法           | TW      | 3/4/2003    | B              |
|            | 92115216        | 可調式生物感測器之控制電路及其測量方法  | TW      | 6/5/2003    | B              |
|            | 92107795        | 試片檢驗區檢測結果自動偵測方法      | TW      | 4/4/2003    | B              |
|            | 92127383        | 光學儲存媒體讀取裝置           | TW      | 10/3/2003   | B              |
|            | 92123159        | 發光二極體元件發光裝置          | TW      | 8/22/2003   | B              |
|            | 92215554        | 光源裝置及應用此光源裝置之背光模組-2  | TW      | 8/28/2003   | B              |
|            | 92215555        | 光源裝置及應用此光源裝置之背光模組    | TW      | 8/28/2003   | B              |
|            | 92214984        | 光源裝置及應用此光源裝置之背光模組    | TW      | 8/19/2003   | B              |
|            | 92216962        | 背光模組                 | TW      | 9/22/2003   | B              |
|            | 93203778        | 背光模組                 | TW      | 3/12/2004   | B              |
|            | 92222392        | 燈源模組及其反射罩            | TW      | 12/22/2003  | B              |
|            | 93203781        | 直下式背光模組及其擴散片         | TW      | 3/12/2004   | B              |
|            | 92306889        | 燈管光罩                 | TW      | 11/14/2003  | B              |
|            | 93202801        | 側光式光源裝置              | TW      | 2/26/2004   | B              |
|            | 92307915        | 燈管光罩                 | TW      | 12/31/2003  | B              |
|            | 92306588        | 燈管光罩                 | TW      | 10/31/2003  | B              |
|            | 93300141        | 燈管光罩(五)              | TW      | 1/9/2004    | B              |
|            | 93202802        | 側光式光源裝置              | TW      | 2/26/2004   | B              |
|            | 88114230        | 自動送紙器之最佳掃描位置的決定方法    | TW      | 8/20/1999   | B              |
|            | 89105447        | 掃描器上的凹面鏡光學系統裝置       | TW      | 3/24/2000   | B              |

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|------------|-----------------|----------------------------------------------------------------|---------|-------------|----------------|
|            | 91124946        | 掃描裝置上之光源聚光裝置                                                   | TW      | 10/25/2002  | B              |
|            | 91123798        | 陣列光源之排列最佳化的方法                                                  | TW      | 10/16/2002  | B              |
|            | 91119101        | 辨識異常影像的方法                                                      | TW      | 8/23/2002   | B              |
|            | 91121574        | 縮減掃描 用傳輸接腳之控制器及方法                                              | TW      | 9/20/2002   | B              |
|            | 91122470        | 反射組件                                                           | TW      | 9/30/2002   | B              |
|            | 91133683        | 具有多重電源模組之影像掃描裝置及其運作方法                                          | TW      | 11/19/2002  | B              |
|            | 91114669        | 影像掃描之方法1                                                       | TW      | 7/2/2002    | B              |
|            | 91115259        | 影像掃描之方法2                                                       | TW      | 7/9/2002    | B              |
|            | 91122909        | 具有側邊反轉裝置之掃描器                                                   | TW      | 10/3/2002   | B              |
|            | 91125115        | 掃描模組之運動方法及提供其運動之引導機構                                           | TW      | 10/25/2002  | B              |
|            | 91133091        | 可顯示預估掃描所需之執行時間之方法                                              | TW      | 11/11/2002  | B              |
|            | 92202621        | 模組化光機                                                          | TW      | 2/19/2003   | B              |
|            | 91137814        | 掃描器以及掃描器內之掃描模組的設計方法                                            | TW      | 12/30/2002  | B              |
|            | 92201973        | 掃描器載架之滾輪系統                                                     | TW      | 1/30/2003   | B              |
|            | 91123621        | 可縮短掃描時間之掃描方法                                                   | TW      | 10/14/2002  | B              |
|            | 91138106        | 結合掃描裝置及視訊裝置之影像裝置                                               | TW      | 12/31/2002  | B              |
|            | 92201898        | 掃描器                                                            | TW      | 1/30/2003   | B              |
|            | 91124953        | 具有手寫輸入裝置之影掃描器                                                  | TW      | 10/25/2002  | B              |
|            | 91124465        | 線性度校正裝置與方法                                                     | TW      | 10/23/2002  | B              |
|            | 91125112        | 齒輪組結構及運用此結構之帶動掃描模組方法                                           | TW      | 10/25/2002  | B              |
|            | 91125111        | 掃描器中影像位元輸出裝置與方法                                                | TW      | 10/25/2002  | B              |
|            | 91123412        | 文件承載件之保護裝置                                                     | TW      | 10/11/2002  | B              |
|            | 91125114        | 降低影像雜訊的方法                                                      | TW      | 10/25/2002  | B              |
|            | 91124951        | 張應力反射鏡片固定裝置                                                    | TW      | 10/25/2002  | B              |
|            | 91125113        | 掃描裝置及倍增掃描裝置壽命的方法                                               | TW      | 10/25/2002  | B              |
|            | 92203878        | 掃描器光機之傳動系統的改良                                                  | TW      | 3/13/2003   | B              |
|            | 92107792        | 判斷血醣濃度的方法                                                      | TW      | 4/4/2003    | B              |
|            | 92113950        | 使用多通道電路來提升血液量測可靠度的方法及裝置                                        | TW      | 5/23/2003   | B              |
|            | 92113383        | 具有多通道及多增益電路之血液量測方法及裝置                                          | TW      | 5/16/2003   | B              |
|            | 92118314        | 具多道輸入類比數位轉換之生物感測器及其方法                                          | TW      | 7/4/2003    | B              |
|            | 89211698        | 滾動式導軌掃描裝置                                                      | TW      | 7/7/2000    | B              |
|            | 91211543        | 掃描器軸套之碰撞緩衝裝置                                                   | TW      | 7/26/2002   | B              |
|            | 91135356        | 影像接合與改善技術                                                      | TW      | 12/6/2002   | B              |
|            | 89211696        | 具緩衝滾輪組之掃描裝置                                                    | TW      | 7/7/2000    | B              |
|            | 89103947        | 掃描器之多次無方向性掃描方法                                                 | TW      | 3/6/2000    | B              |
|            | 10/054,984      | Scanning apparatus utilizing gravity acceleration for scanning | US      | 01/25/2002  | B              |
|            | 09/769,232      | Position set sturcture of scanner transmission components      | US      | 1/24/2001   | B              |
|            | 09/939,120      | Automatic document-scanning method for scanner                 | US      | 08/24/2001  | B              |
|            | 09/824,792      | Method and apparatus for increasing scan resolution            | US      | 04/04/2001  | B              |
|            | 10/045,431      | Automatic photograph producer and producing method             | US      | 01/11/2002  | B              |

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| Patent No. | Application No. | Title                                                                                                          | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 09/984,902      | Method for comprising an image in real time                                                                    | US      | 10/31/2001  | B              |
|            | 10/604,544      | automatic document feeding device for scanning apparatus                                                       | US      | 07/30/2003  | B              |
|            | 09/768,281      | Apparatus and method for dark calibration of a linear CMOS sensor                                              | US      | 01/25/2001  | B              |
|            | 09/779,399      | Apparatus and method for controlling a scanner                                                                 | US      | 02/08/2001  | B              |
|            | 09/839,208      | System and method of capturing a digital picture                                                               | US      | 4/23/2001   | B              |
|            | 10/428,830      | light source mechanism of scanner                                                                              | US      | 05/05/2003  | B              |
|            | 09/815,130      | Data transmission scheme for scanner                                                                           | US      | 03/22/2001  | B              |
|            | 09/882,211      | Transparent scanning light source for scanner                                                                  | US      | 06/15/2001  | B              |
|            | 09/916,271      | Method of reading pixel signals from a multiple staggered sensor                                               | US      | 07/30/2001  | B              |
|            | 10/429,884      | Light source device                                                                                            | US      | 05/06/2003  | B              |
|            | 09/883,195      | Calibration method of an image-capture apparatus                                                               | US      | 6/19/2001   | B              |
|            | 09/927,834      | Focusing apparatus of an automatic document feeder                                                             | US      | 08/10/2001  | B              |
|            | 09/940,358      | Gray scale scanning method and system                                                                          | US      | 08/27/2001  | B              |
|            | 10/604,528      | Button structure and design method for latching prevention                                                     | US      | 07/29/2003  | B              |
|            | 09/962,712      | Height adjustment structure                                                                                    | US      | 09/24/2001  | B              |
|            | 09/900,865      | Back-light module for image scanning device and method for calibrating illumination with the back-light module | US      | 7/10/2001   | B              |
|            | 09/839,211      | Apparatus and method of mapping look-up table in an imaging system                                             | US      | 4/23/2001   | B              |
|            | 10/077,847      | Circuit apparatus with extending general purpose input output pin                                              | US      | 2/20/2002   | B              |
|            | 09/921,729      | Transparency scanning module                                                                                   | US      | 08/03/2001  | B              |
|            | 10/443,075      | method of automatically detecting a test result of a probe zone of a test strip                                | US      | 05/22/2003  | B              |
|            | 10/605,921      | Image capturing device                                                                                         | US      | 11/06/2003  | B              |
|            | 09/922,252      | Vibration compensation device and scanning method                                                              | US      | 08/03/2001  | B              |
|            | 09/924,883      | Method of shortening multiple-image scanning duration                                                          | US      | 08/08/2001  | B              |
|            | 10/105,485      | Method of automatically adjusting sharpening weighting value                                                   | US      | 3/26/2002   | B              |
|            | 09/920,387      | Scanning speed control device and method                                                                       | US      | 07/31/2001  | B              |
|            | 09/997,853      | Scanner carrier                                                                                                | US      | 11/29/2001  | B              |
|            | 10/771,333      | Method for Determining the Resolution of Blood Glucose                                                         | US      | 02/05/2004  | B              |
|            | 09/849,461      | Method for determining a local compensation for pixel brightness                                               | US      | 05/04/2001  | B              |
|            | 09/922,099      | Compensation apparatus for image scan                                                                          | US      | 08/03/2001  | B              |
|            | 10/604,391      | Transmission mechanism of sheet feeder                                                                         | US      | 07/17/2003  | B              |
|            | 09/832,098      | Image scanning system and method for scanner                                                                   | US      | 04/11/2001  | B              |

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| Patent No. | Application No. | Title                                                                                            | Country | Filing Date | Asset Category |
|------------|-----------------|--------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 09/929,331      | Document-loading panel structure for scanner                                                     | US      | 08/14/2001  | B              |
|            | 10/604,390      | Supporting structure for platform in scanner                                                     | US      | 07/17/2003  | B              |
|            | 09/940,829      | Method of changing driving sequence to output charge couple device signal                        | US      | 08/27/2001  | B              |
|            | 10/233,630      | Method for loading a program module in an operating system                                       | US      | 9/4/2002    | B              |
|            | 10/604,343      | optical scanner                                                                                  | US      | 07/14/2003  | B              |
|            | 09/955,845      | Method for enhancing scan resolution                                                             | US      | 09/17/2001  | B              |
|            | 09/903,670      | High-speed calibration method and system for an image-capture apparatus                          | US      | 7/13/2001   | B              |
|            | 09/956,118      | Method and system for scanning with one-scan-and-done feature                                    | US      | 09/20/2001  | B              |
|            | 10/385,715      | Light source control method and apparatus of image scanner                                       | US      | 03/12/2003  | B              |
|            | 09/956,111      | Scanning method and scanning system free of identifying original's attribute                     | US      | 9/20/2001   | B              |
|            | 10/728,828      | Illumination module of light emitting elements                                                   | US      | 12/08/2003  | B              |
|            | 09/967,713      | Document holding fixture                                                                         | US      | 09/27/2001  | B              |
|            | 10/041,315      | Module for increasing total track                                                                | US      | 1/8/2002    | B              |
|            | 09/948,611      | Photographic film scanning device                                                                | US      | 09/10/2001  | B              |
|            | 09/978,138      | Optical scanner equipped with plug-in calibration film                                           | US      | 10/15/2001  | B              |
|            | 09/984,109      | Document retainer for vertically oriented image scanning                                         | US      | 10/29/2001  | B              |
|            | 10/316,049      | Method for establishing a long-term profile of blood sugar level aiding self-control of the same | US      | 12/11/2002  | B              |
|            | 10/605,920      | Light guide plate structure and back light module                                                | US      | 11/06/2003  | B              |
|            | 09/827,061      | Optical chassis of plating film reflection and its manufacturing procedure                       | US      | 04/05/2001  | B              |
|            | 10/005,784      | Stagger sensor and method for improving modulation transfer function                             | US      | 11/08/2001  | B              |
|            | 09/997,647      | Dual light source voltage-modulated reciprocal control circuit for scanner                       | US      | 11/27/2001  | B              |
|            | 09/990,291      | Image apparatus with batch scan and real time display and method of the same                     | US      | 11/23/2001  | B              |
|            | 09/998,519      | High-resolution sensing method for scanner                                                       | US      | 11-27-2001  | B              |
|            | 09/984,100      | Method for scanning selected target image area of document                                       | US      | 10/29/2001  | B              |
|            | 09/898,610      | Automatic determination method for color scanning mode of scanner                                | US      | 07/03/2001  | B              |
|            | 10/605,922      | Lamp module for planar source device                                                             | US      | 11/06/2003  | B              |
|            | 10/047,680      | Method of effacing zipper image                                                                  | US      | 01/14/2002  | B              |
|            | 10/347,368      | Light gathering apparatus of scanner                                                             | US      | 01/21/2003  | B              |
|            | 10/368,498      | Image correction method                                                                          | US      | 02/18/2003  | B              |
|            | 10/373,279      | Light-path device of curved-surface mirror                                                       | US      | 02/24/2003  | B              |
|            | 10/226,199      | image scanning method                                                                            | US      | 8/23/2002   | B              |

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| Patent No. | Application No. | Title                                                                                  | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10/330,144      | Chassis locking apparatus capable of being unlocked spontaneously                      | US      | 12/30/2002  | B              |
|            | 10/331,982      | Method for adding a text to an image                                                   | US      | 12/31/2002  | B              |
|            | 10/334,798      | Method for detecting a response of each probe zone on a test strip                     | US      | 01/02/2003  | B              |
|            | 10/403,093      | Scanner with a lateral reversing device                                                | US      | 04/01/2003  | B              |
|            | 10/063,054      | Linear guiding mechanism                                                               | US      | 03/15/2002  | B              |
|            | 10/417,207      | lens module with adjustable magnification                                              | US      | 04/17/2003  | B              |
|            | 10/390,602      | method for determining a response of each probe zone on a test strip                   | US      | 03/19/2003  | B              |
|            | 10/249,402      | CMOS light sensor and operation method thereof                                         | US      | 04/07/2003  | B              |
|            | 10/662,258      | Image compensating method                                                              | US      | 09/15/2003  | B              |
|            | 10/662,859      | Scanning method capable of reducing the scanning period                                | US      | 09/15/2003  | B              |
|            | 10/491,116      | method for improving modulation transfer function of an image                          | US      | 3/26/2004   | B              |
|            | 10/695,022      | Scanning module movement process and guiding structure therefor                        | US      | 10/27/2003  | B              |
|            | 10/604,251      | Operating method and changer for optical module/printer module system                  | US      | 07/04/2003  | B              |
|            | 10/256,425      | Light-focusing for image-gathering device and method                                   | US      | 9/27/2002   | B              |
|            | 10/718,567      | Apparatus with a combination of a point light source and a single lens                 | US      | 11/24/2003  | B              |
|            | 10/605,355      | scanning device and method using paired differential analog signals                    | US      | 09/25/2003  | B              |
|            | 10/609,617      | Biosensor for monitoring an analyte content with a partial voltage-generated therefrom | US      | 07/01/2003  | B              |
|            | 10/320,681      | Shading noise filter                                                                   | US      | 12/17/2002  | B              |
|            | 10/410,292      | method for determining the concentration of blood glucose                              | US      | 04/10/2003  | B              |
|            | 10/199,001      | System and method of a scanning module incorporated with a printer head                | US      | 7/22/2002   | B              |
|            | 10/605,652      | optical scanner                                                                        | US      | 10/15/2003  | B              |
|            | 10/064,265      | Scanning circuit structure                                                             | US      | 6/27/2002   | B              |
|            | 10/064,252      | Shock-absorber structure for scanning apparatus                                        | US      | 06/26/2002  | B              |
|            | 10/068,278      | Method of sequencing image data inside memory of optical scanning device               | US      | 02/06/2002  | B              |
|            | 10/063,433      | Method and apparatus for fastening adjustable optical lenses                           | US      | 04/23/2002  | B              |
|            | 10/063,436      | Circuit module integrating a light driver and an optical                               | US      | 04/23/2002  | B              |
|            | 10/063,055      | Document surface micro-adjust mechanism                                                | US      | 03/15/2002  | B              |
|            | 10/174,920      | Changeable means for different total tracks and its method                             | US      | 06/19/2002  | B              |
|            | 10/108,354      | Scan Method                                                                            | US      | 03/29/2002  | B              |
|            | 10/142,386      | Axle sleeve apparatus for optical chassis                                              | US      | 05/08/2002  | B              |
|            | 10/263,178      | Scanning apparatus                                                                     | US      | 10/03/2002  | B              |

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| Patent No. | Application No. | Title                                                                          | Country | Filing Date | Asset Category |
|------------|-----------------|--------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10/144,697      | Optical image scanning device with fluorescent layer as back light             | US      | 5/15/2002   | B              |
|            | 10/166,750      | Optical carriage of scanner and method for the same                            | US      | 6/12/2002   | B              |
|            | 10/136,350      | Method for correcting magnification                                            | US      | 05/02/2002  | B              |
|            | 10/288,587      | Scanner with a transparent module for providing scanning background            | US      | 11/06/2002  | B              |
|            | 10/065,611      | Method of removing memory of scanning apparatus                                | US      | 11/04/2002  | B              |
|            | 10/121,545      | Method for increasing signal to noise ratio                                    | US      | 04/15/2002  | B              |
|            | 10/263,183      | Scanning apparatus                                                             | US      | 10/03/2002  | B              |
|            | 10/270,328      | Movable locking device for a scanner and locking method for the same           | US      | 10/15/2002  | B              |
|            | 10/251,214      | Method and device for drawing and formatting image                             | US      | 09/20/2002  | B              |
|            | 10/211,268      | Image processing method for facilitating data transmission                     | US      | 08/05/2002  | B              |
|            | 10/722,549      | Biosensor with multi-channel A/D conversion and a method thereof               | US      | 11/28/2003  | B              |
|            | 09/925,002      | Scanning device and method for saving compensation memory                      | US      | 08/08/2001  | B              |
|            | 10/644,923      | Method for reading sensor                                                      | US      | 08/21/2003  | B              |
|            | 09/967,569      | Automatic static image capturing device and method                             | US      | 09/27/2001  | B              |
|            | 10/249,421      | method for scanning the irregular object                                       | US      | 04/08/2003  | B              |
|            | 10/233,592      | Method for generating calibration curve                                        | US      | 9/4/2002    | B              |
|            | 10/060,702      | Repeatedly sampling method for image scanning                                  | US      | 1/30/2002   | B              |
|            | 10/054,961      | Two-directions scanning method                                                 | US      | 1/25/2002   | B              |
|            | 10/035,516      | Method for detecting the alignment of document in an automatic document feeder | US      | 11/9/2001   | B              |
|            | 10/034,860      | Circuit of sanner to perform color space conversion on RGB signal              | US      | 12/27/2001  | B              |
|            | 09/985,057      | Method and system for increasing scanning speed                                | US      | 11/1/2001   | B              |
|            | 10/107,451      | Optical scanner apparatus with an optical well imaging device                  | US      | 3/28/2002   | B              |
|            | 09/967,715      | Automatic scanning parameter setting device and method                         | US      | 09/27/2001  | B              |
|            | 10/248,310      | Error Reporing and Correcting Method for Peripheral                            | US      | 01/08/2003  | B              |
|            | 10/135,760      | Optical scanner apparatus with pinhole imaging device                          | US      | 5/1/2002    | B              |
|            | 10/281,553      | Method for correcting negative film image with negative film interval          | US      | 10/28/2002  | B              |
|            | 10/233,597      | Method for recognizing abnormal image                                          | US      | 09/04/2002  | B              |
|            | 10/256,962      | Structure of light-source module                                               | US      | 9/27/2002   | B              |
|            | 10/020,439      | Calibration method of an image scanning system                                 | US      | 12/18/2001  | B              |

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| Patent No. | Application No. | Title                                                                                        | Country | Filing Date | Asset Category |
|------------|-----------------|----------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10/059,293      | Handheld multi-function peripheral capable of scanning                                       | US      | 01/31/2002  | B              |
|            | 10/064,700      | Double-side image scanner and scanning method of the same                                    | US      | 08/08/2002  | B              |
|            | 10/064,907      | Method for determining restored position                                                     | US      | 08/28/2002  | B              |
|            | 10/281,307      | Method for differentiating dynamic range of image                                            | US      | 10/28/2002  | B              |
|            | 09/977,847      | Method and system for automatic scanning system                                              | US      | 10/16/2001  | B              |
|            | 10/605,918      | Optical medium storage reading device                                                        | US      | 11/06/2003  | B              |
|            | 10/013,887      | Method of compensating zipper image by K-value and method calculating K-value                | US      | 12/10/2001  | B              |
|            | 10/064,385      | Method for replacing language of user interface without having to restart application        | US      | 07/09/2002  | B              |
|            | 10/007,729      | Image scanner                                                                                | US      | 11/9/2001   | B              |
|            | 10/206,198      | Method for selecting a shading correcting line                                               | US      | 7/29/2002   | B              |
|            | 10/011,711      | Method and system for promoting scanning speed                                               | US      | 12/11/2001  | B              |
|            | 10/029,846      | Apparatus and method for capturing a document                                                | US      | 12/31/2001  | B              |
|            | 10/064,612      | Image correction method able to avoid error image                                            | US      | 07/31/2002  | B              |
|            | 10/193,242      | Scanner with foolproof function of inputting units and method of functioning                 | US      | 7/12/2002   | B              |
|            | 10/053,057      | Transmission device for name card scanner                                                    | US      | 11/10/2001  | B              |
|            | 10/103,834      | System and method for switching screens from overview and preview                            | US      | 3/25/2002   | B              |
|            | 10/200,225      | Image processing method for facilitating data transmission                                   | US      | 7/23/2002   | B              |
|            | 10/237,658      | Method for adjusting image data with shading curve                                           | US      | 9/10/2002   | B              |
|            | 10/425,872      | optical module with movable reflective mirrors                                               | US      | 04/30/2003  | B              |
|            | 10/063,446      | Method and structure fore changing a scanning resolution                                     | US      | 04/24/2002  | B              |
|            | 10/063,739      | Floating window                                                                              | US      | 05/09/2002  | B              |
|            | 10/063,782      | Scanning chassis with a light transparent slot                                               | US      | 05/13/2002  | B              |
|            | 10/695,327      | Method for reducing image noise                                                              | US      | 10/27/2003  | B              |
|            | 10/195,363      | Layout of the optical path in the image capturing system and the method for forming the same | US      | 7/16/2002   | B              |
|            | 10/248,866      | Method of operating a double-sided scanner                                                   | US      | 02/26/2003  | B              |
|            | 10/065,171      | Linear guiding apparatus                                                                     | US      | 09/24/2002  | B              |
|            | 10/065,353      | Full-zone optical image addressing apparatus                                                 | US      | 10/08/2002  | B              |
|            | 10/065,354      | Scanner having a self-collection light sourceself-collection                                 | US      | 10/08/2002  | B              |
|            | 10/065,384      | Light-channeling apparatus                                                                   | US      | 10/11/2002  | B              |
|            | 10/664,936      | Optical device of scanner                                                                    | US      | 09/22/2003  | B              |
|            | 10/368,470      | Image device combined with scanning device and video device                                  | US      | 02/20/2003  | B              |

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| Patent No. | Application No. | Title                                                                        | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10/064,704      | Image compensation structure and compensation method                         | US      | 08/08/2002  | B              |
|            | 10/317,175      | Apparatus for monitoring specific substances in a fluid                      | US      | 12/12/2002  | B              |
|            | 10/252,705      | Method of focusing a selected scanning area for document scanning device     | US      | 9/24/2002   | B              |
|            | 10/192,511      | Method for scanning by using a virtual frame holder                          | US      | 7/11/2002   | B              |
|            | 10/211,699      | Positioning device for scanned object of scanner                             | US      | 8/2/2002    | B              |
|            | 10/020,973      | Method for automatically identifying scan area                               | US      | 12/19/2001  | B              |
|            | 10/119,959      | Luminous apparatus capable of adjusting the luminance                        | US      | 4/11/2002   | B              |
|            | 10/255,965      | Accelerative noise filtering method for image data                           | US      | 9/27/2002   | B              |
|            | 10/307,395      | Photographic device with short total trace                                   | US      | 12/2/2002   | B              |
|            | 10/726,534      | Chip with measuring reliability and a method thereof                         | US      | 12/04/2003  | B              |
|            | 10/063,434      | Scanning method by using sheet feed scanner                                  | US      | 04/23/2002  | B              |
|            | 10/337,093      | Method for selecting and adjusting ascanner illuminant                       | US      | 01/06/2003  | B              |
|            | 10/248,207      | Image scanning method                                                        | US      | 12/27/2002  | B              |
|            | 10/227,849      | Document scanner with light focusing device                                  | US      | 8/27/2002   | B              |
|            | 10/739,415      | Method for Improving a reading resolution of a biosensor                     | US      | 12/19/2003  | B              |
|            | 10/684,711      | Image processing method                                                      | US      | 10/15/2003  | B              |
|            | 10/012,644      | Depth of field adjustment device and method for an automatic document feeder | US      | 11/13/2001  | B              |
|            | 10/308,727      | Light-source mechanism for optical scanner                                   | US      | 12/3/2002   | B              |
|            | 10/237,957      | Method of optimal focusing for document scanner                              | US      | 9/10/2002   | B              |
|            | 10/604,542      | Scanning method                                                              | US      | 07/30/2003  | B              |
|            | 10/623,597      | Optical path device                                                          | US      | 07/22/2003  | B              |
|            | 10/605,328      | scan device and a method for enhancing the life of the same                  | US      | 09/23/2003  | B              |
|            | 10/605,164      | optical scanning module                                                      | US      | 09/12/2003  | B              |
|            | 10/604,172      | scanner and associated scanning head design                                  | US      | 06/30/2003  | B              |
|            | 08/649,307      | Batch scanning method for an image input system                              | US      | 05/17/1996  | B              |
|            | 09/756,263      | Scanner driving device                                                       | US      | 01/09/2001  | B              |
|            | 09/746,572      | Drive mechanism of optical scanner                                           | US      | 12/22/2000  | B              |
|            | 09/826,625      | Focusing mechanism and method of scanner                                     | US      | 4/5/2001    | B              |
|            | 09/886,827      | Scanning device                                                              | US      | 06/21/2001  | B              |
|            | 09/808,504      | Apparatus and method for directly uploading scanned                          | US      | 3/14/2001   | B              |
|            | 09/796,628      | Apparatus and method for directly activating an applica                      | US      | 03/02/2001  | B              |
|            | 09/799,538      | Input apparatus and method of scanners having compo                          | US      | 03/07/2001  | B              |
|            | 09/827,060      | Optical-path apparatus of two-lense and multi-reflection                     | US      | 04/05/2001  | B              |

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| Patent No. | Application No. | Title                                                      | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------|---------|-------------|----------------|
|            | 09/790,744      | Output method of different color channels of balanced      | US      | 02/22/2001  | B              |
|            | 09/745,872      | Dual direction driving apparatus and method for driving    | US      | 12/26/2000  | B              |
|            | 09/746,818      | Scanning method for adjusting Y-axis modulation trans      | US      | 12/22/2000  | B              |
|            | 09/768,059      | Apparatus and method for implementing resetting and        | US      | 01/24/2001  | B              |
|            | 09/768,614      | Apparatus and method for output signal with correspon      | US      | 1/25/2001   | B              |
|            | 09/769,225      | CONTRACTIBLE OUTER-SHELL APPARATUS OF A                    | US      | 1/24/2001   | B              |
|            | 09/791,021      | Scanner message display system and method thereof          | US      | 02/22/2001  | B              |
|            | 09/793,622      | Dynamically focusing method for image scanning device      | US      | 02/27/2001  | B              |
|            | 09/793,944      | Integrated Scanning device for reflection scanning and     | US      | 02/27/2001  | B              |
|            | 09/793,548      | System and method for communications between com           | US      | 02/27/2001  | B              |
|            | 09/909,922      | Scanning apparatus capable of engaging an automatic        | US      | 07/20/2001  | B              |
|            | 09/817,284      | Focus calibrating method for image scanning device by      | US      | 03/27/2001  | B              |
|            | 09/827,063      | Optical chassis pasted with plating film reflection thin p | US      | 4/5/2001    | B              |
|            | 09/836,176      | Scanning head module                                       | US      | 4/18/2001   | B              |
|            | 09/842,851      | OPTICAL SCANNER                                            | US      | 4/27/2001   | B              |
|            | 09/870,514      | AUTOMATIC DOCUMENT FEEDER FOR AN IMAGE                     | US      | 6/1/2001    | B              |
|            | 09/878,623      | Optical system for scanner                                 | US      | 06/11/2001  | B              |
|            | 09/898,409      | Apparatus and method for reducing transmission noise       | US      | 07/03/2001  | B              |
|            | 09/900,869      | Power management system for scanner by detecting to        | US      | 7/10/2001   | B              |
|            | 09/990,993      | Optical system                                             | US      | 11/13/2001  | B              |
|            | 09/930,844      | Scanning method with two exposure steps                    | US      | 08/14/2001  | B              |
|            | 09/956,116      | Method for capturing images useful in a scanning syste     | US      | 09/20/2001  | B              |
|            | 09/968,005      | Apparatus and method for controlling a stepping motor      | US      | 10/02/2001  | B              |
|            | 09/977,309      | Method for improving utilization of a defective memory     | US      | 10/16/2001  | B              |
|            | 09/978,424      | Document inspection method for auto feeding device         | US      | 10/15/2001  | B              |
|            | 10/032,884      | METHOD FOR SCANNING AND AUTOCROPPING T                     | US      | 10/29/2001  | B              |
|            | 10/033,310      | Image-autocrop method for calibrating image-input          | US      | 10/29/2001  | B              |
|            | 10/005,535      | Method of enhancing modulation transfer function perfe     | US      | 11/08/2001  | B              |
|            | 10/010,588      | Shaft sleeve of a scanner                                  | US      | 11/13/2001  | B              |
|            | 10/065,614      | Clock control method for preventing charge couple dev      | US      | 11/04/2002  | B              |
|            | 10/020,438      | Apparatus for projection and capture of a display interf   | US      | 12/18/2001  | B              |
|            | 10/029,872      | Stepping motor controlling device and method thereof       | US      | 12/31/2001  | B              |
|            | 10/174/888      | Optical device and method for scanner                      | US      | 06/19/2002  | B              |
|            | 10/103,243      | Scanning method and apparatus for distinguishing           | US      | 3/21/2002   | B              |
|            | 10/109,890      | Light focusing and dispersing apparatus of light source    | US      | 4/1/2002    | B              |
|            | 10/105,484      | Image compensation method of image scanner                 | US      | 3/26/2002   | B              |
|            | 10/132,158      | Automatic document-feeding apparatus                       | US      | 4/26/2002   | B              |
|            | 10/063,738      | Light-blocking structure on optical lens mounting device   | US      | 05/09/2002  | B              |
|            | 10/449,078      | light source for condensing light                          | US      | 06/02/2003  | B              |
|            | 10/065,170      | Data reading apparatus and operating method thereof        | US      | 09/24/2002  | B              |
|            | 10/449,077      | compensating light source capable of compensating fo       | US      | 06/02/2003  | B              |
|            | 10/064,299      | Document guiding device                                    | US      | 07/01/2002  | B              |
|            | 10/064,577      | Scrollbar-less control button and method                   | US      | 07/29/2002  | B              |
|            | 10/270,660      | Optical sensor device for receiving light signal           | US      | 10/16/2002  | B              |

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|------------|-----------------|----------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 10/191,527      | STRUCTURE OF NON-CIRCULAR LENS HOLDER                                                        | US      | 7/10/2002   | B              |
|            | 10/462,860      | light collection member with a reflection part                                               | US      | 06/17/2003  | B              |
|            | 10/196,254      | DOCUMENT FEEDING SYSTEM                                                                      | US      | 7/17/2002   | B              |
|            | 10/198,136      | Lamp protection device                                                                       | US      | 7/19/2002   | B              |
|            | 10/064,702      | Adjustabel converging device                                                                 | US      | 08/08/2002  | B              |
|            | 10/216,853      | Apparatus of linear staggered sensors                                                        | US      | 8/13/2002   | B              |
|            | 10/064,798      | Light source module with illumination uniformity                                             | US      | 08/19/2002  | B              |
|            | 10/431,076      | Automatic document feeder                                                                    | US      | 05/07/2003  | B              |
|            | 10/245,693      | Light source steadying assembly                                                              | US      | 9/18/2002   | B              |
|            | 10/406,496      | light source of LED for scanner                                                              | US      | 04/04/2003  | B              |
|            | 10/390,601      | Mirror holder combination apparatus                                                          | US      | 03/19/2003  | B              |
|            | 10/248,312      | Sheet feed image scanning apparatus                                                          | US      | 01/08/2003  | B              |
|            | 10/426,872      | user interface of an image capturing apparatus and an                                        | US      | 05/01/2003  | B              |
|            | 10/421,194      | scanner with an adjustable opening for receiving light                                       | US      | 04/23/2003  | B              |
|            | 10/605,358      | method for optimizing arrangement of light source array                                      | US      | 09/25/2003  | B              |
|            | 10/308,726      | Fine-tuning structure of sensing element                                                     | US      | 12/2/2002   | B              |
|            | 10/319,640      | Light source spotlight device of a scan device                                               | US      | 12/16/2002  | B              |
|            | 10/248,228      | Retractable scanner                                                                          | US      | 12/30/2002  | B              |
|            | 10/341,492      | Variable-curvature lens system and method for adjusting                                      | US      | 01/14/2003  | B              |
|            | 10/347,405      | Scanner and scanning method having adjustable length                                         | US      | 01/21/2003  | B              |
|            | 10/368,921      | Illumination module and method of manufacturing the same                                     | US      | 02/18/2003  | B              |
|            | 10/248,865      | Document Sheet Conveying Apparatus                                                           | US      | 02/26/2003  | B              |
|            | 10/248,869      | Power consumption distribution structure and method for                                      | US      | 02/26/2003  | B              |
|            | 10/249,789      | Planar-light apparatus with a non-straight direction light                                   | US      | 05/08/2003  | B              |
|            | 10/606,014      | Light source module and method for design the same                                           | US      | 06/24/2003  | B              |
|            | 10/618,879      | Transmitting system in scanner chassis                                                       | US      | 07/14/2003  | B              |
|            | 10/407,211      | holder for variable-sized image recording mediums                                            | US      | 04/07/2003  | B              |
|            | 10/443,074      | Apparatus and method for linear correcting                                                   | US      | 05/22/2003  | B              |
|            | 10/461,338      | light guide plate for a backlight module                                                     | US      | 06/16/2003  | B              |
|            | 10/645,563      | Battery power detecting method and device                                                    | US      | 08/22/2003  | B              |
|            | 10/662,392      | Multi-stage mirror holding apparatus                                                         | US      | 09/16/2003  | B              |
|            | 07/689,209      | FILTER DRIVING MECHANISM FOR COLOR OPTICAL READER                                            | US      | 10/31/1990  | B              |
|            | 07/703,747      | HIGH SPEED SINGLE-PASS SCANNING DEVICE FOR COLOR OPTICAL READER                              | US      | 5/21/1991   | B              |
|            | 08/277,819      | BUFFER DEVICE FOR PACKINGS                                                                   | US      | 7/20/1994   | B              |
|            | 08/281,401      | DRAWING MEANS OF MOVABLE BASE BOARD FOR OPTICAL SCANNER                                      | US      | 7/26/1994   | B              |
|            | 08/304,276      | COLOR FILTER TRANSMISSION APPARATUS                                                          | US      | 9/12/1994   | B              |
|            | 08/153,749      | DIGITAL SIGNALS TO ACHIEVE                                                                   | US      | 11/17/1993  | B              |
|            | 08/153,751      | TWO CLOCK METHOD FOR SYNCHRONIZING A PLURALITY OF IDENTICAL PROCESSORS CONNECTED IN PARALLEL | US      | 11/17/1993  | B              |

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| Patent No. | Application No. | Title                                                                                                           | Country | Filing Date | Asset Category |
|------------|-----------------|-----------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 08/257,570      | TRANSMISSION SYSTEM FOR A DOCUMENT FEEDER                                                                       | US      | 6/10/1994   | B              |
|            | 08/499,786      | MULTI-LENS CHANGING MECHANISM FOR USE IN OPTICAL SCANNERS                                                       | US      | 7/7/1995    | B              |
|            | 08/789,976      | BUFFERING PAD FOR DEVICE PACKAGES                                                                               | US      | 4/18/1997   | B              |
|            | 09/097,444      | APERTURE SELECTION MECHANISM FOR CAMERA                                                                         | US      | 6/15/1998   | B              |
|            | 09/063,548      | LENS MOVEMENT MECHANISM FOR DIGITAL CAMERA                                                                      | US      | 4/20/1998   | B              |
|            | 09/131,036      | APERTURE SWITCHING DEVICE                                                                                       | US      | 8/7/1998    | B              |
|            | 08/967,977      | METHOD FOR ASSOCIATELY FETCHING A DOCUMENT ID BY SAMPLING THE DEVICE TO OBTAIN                                  | US      | 11/12/1997  | B              |
|            | 09/048,957      | PAPER-FEEDING MECHANISM FOR A DOCUMENT DUPLICATING MACHINE                                                      | US      | 3/26/1998   | B              |
|            | 09/048,958      | PAPER-LOADING MECHANISM FOR A DOCUMENT DUPLICATING MACHINE                                                      | US      | 3/26/1998   | B              |
|            | 09/067,171      | DEVICE FOR HOLDING AND MOVING A CONTACT IMAGE SENSOR                                                            | US      | 4/27/1998   | B              |
|            | 09/373,607      | LENS SWITCH APPARATUS                                                                                           | US      | 8/3/1999    | B              |
|            | 09/191,536      | APPARATUS FOR SKEW CORRECTION IN CUT-SHEET PAPER FEEDING                                                        | US      | 11/13/1998  | B              |
|            | 09/481,401      | OPTICAL SCANNERS WITH ADJUSTABLE RESOLUTION                                                                     | US      | 1/12/2000   | B              |
|            | 09/063,549      | IMAGING CARTRIDGE FOR A COMPUTER SYSTEM                                                                         | US      | 4/20/1998   | B              |
|            | 09/340,733      | MULTI-BLADE LENS-APERTURE CONTROL MECHANISM                                                                     | US      | 6/29/1999   | B              |
|            | 10/626,200      | METHOD AND USER INTERFACE FOR PERFORMING AN AUTOMATIC SCAN OPERATION FOR A SCANNER COUPLED TO A COMPUTER SYSTEM | US      | 7/22/2003   | B              |
|            | 09/683,870      | COMMON CONNECTIVE INTERFACE SYSTEM FOR LINKING SCANNER AND PERIPHERAL DEVICE                                    | US      | 5/13/2002   | B              |
|            | 08/421,955      | FULL TEXT SEARCH AND EVENT TRIGGERING METHOD AND DEVICE                                                         | US      | 4/14/1995   | B              |
|            | 08/421,992      | SCANNER ACTUATING METHOD                                                                                        | US      | 4/14/1995   | B              |
|            | 08/450,718      | BUFFERING WRAPPER FOR PACKING ARTICLES IN PACKAGES                                                              | US      | 5/25/1995   | B              |
|            | 08/517,899      | Improved Paper-Feeding Structure for on Optical Scanner Machine                                                 | US      | 8/22/1995   | B              |
|            | 08/544,477      | METHOD AND SYSTEM FOR PARALLEL IMAGE PROCESSING AND TRANSMISSION USING DIVIDE AND CONQUER                       | US      | 10/18/1995  | B              |
|            | 08/560,310      | 3D IMAGE SYSTEM                                                                                                 | US      | 11/17/1995  | B              |
|            | 08/713,738      | DUAL-MIRROR MULTI-REFLECTION OPTICAL PATH FOLDING APPARATUS                                                     | US      | 9/13/1996   | B              |

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| Patent No. | Application No. | Title                                                                                                            | Country | Filing Date | Asset Category |
|------------|-----------------|------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 08/713739       | MULTIPLE SCANNING APPARATUS                                                                                      | US      | 9/13/1996   | B              |
|            | 08/713740       | A LIGHT SOURCE FOR AN OPTICAL SCANNER                                                                            | US      | 9/13/1996   | B              |
|            | 08/743756       | SEPARATELY WEIGHTED MULTI-SAMPLED<br>IMAGE SIGNALPROCESSING APPARATUS                                            | US      | 11/7/1996   | B              |
|            | 08/761822       | METHOD AND APPARATUS FOR DOCUMENT SIZE<br>CALIBRATION BETWEEN SCANNER AND<br>PRINTER WITHOUT THE USE OF ORIGINAL | US      | 12/6/1996   | B              |
|            | 08/780537       | IMAGE SIGNAL PROCESSING APPARATUS                                                                                | US      | 1/9/1997    | B              |
|            | 08/789977       | SCANNING APPARATUS WITH A SINGLE LIGHT<br>SOURCE FOR SCANNING REFLECTIVE AND<br>TRANSMISSIVE DOCUMENTS           | US      | 1/28/1997   | B              |
|            | 08/808405       | APPARATUS AND METHOD FOR COMPENSATING<br>MOVING DISTORTION OF DIGITAL SCANNING                                   | US      | 2/28/1997   | B              |
|            | 08/814572       | KNOCKDOWN COMPOSITE PACKAGE<br>STRUCTURE                                                                         | US      | 3/10/1997   | B              |
|            | 08/816987       | TRANSPARENCY OPTICAL SCANNER                                                                                     | US      | 3/13/1997   | B              |
|            | 08/857420       | LIGHT SHUTTER APPARATUS FOR OPTICAL<br>SCANNER                                                                   | US      | 5/16/1997   | B              |
|            | 08/862888       | APPARAUS OF AN IMAGE PROCESSING USING<br>DISTINCTIVE CONTROL                                                     | US      | 5/23/1997   | B              |
|            | 08/865621       | AUTO-FOCUS MECHANISM                                                                                             | US      | 5/9/1997    | B              |
|            | 08/870173       | WINDOW ASSEMBLY MECHANISM FOR OPTICAL<br>SCANNER                                                                 | US      | 6/6/1997    | B              |
|            | 08/901980       | RECEPTACLE WITH WIDE-ANGLE HINGE<br>TRUCTURE                                                                     | US      | 7/29/1997   | B              |
|            | 08/968322       | DIGITAL CAMERA WITH A DETA CHABLE DISPLAY                                                                        | US      | 11/12/1997  | B              |
|            | 08/969043       | DIGLTAL CAMERA WITH A DETACHABLE LENS                                                                            | US      |             | B              |
|            | 08/997830       | SECURITY CHECK SYSTEM                                                                                            | US      | 12/24/1997  | B              |
|            | 09/017110       | APERTURE SELECTOR FOR CAMERA LENS                                                                                | US      | 1/31/1998   | B              |
|            | 09/027448       | FIXATION DEVICE FOR THE CHASSIS OF AN<br>OPTICAL SCANNER                                                         | US      | 2/20/1998   | B              |
|            | 09/063537       | OPTICAL SCANNER FOR TRANSPARENT<br>DOCUMENT                                                                      | US      | 4/4/1998    | B              |
|            | 09/070153       | A CMOS-TYPE IMAGE INFORMATION READING<br>APPARATUS                                                               | US      | 4/30/1998   | B              |
|            | 09/080756       | CAMERA APERTURE CHANGE DEVICE                                                                                    | US      | 5/18/1998   | B              |
|            | 09/109763       | APPARATUS AND METHOD FOR INCREASING<br>SCANRESOLUTION                                                            | US      | 7/6/1998    | B              |
|            | 09/119214       | Improved builtin scanner structure                                                                               | US      |             | B              |
|            | 09/157515       | METHOD FOR COMPRESSING THE DATA FROM<br>AN IMAGE CAPTURE DEVICE                                                  | US      | 9/21/1998   | B              |
|            | 09/159829       | CIRCUIT BOARD TESTING DEVICE                                                                                     | US      | 9/24/1998   | B              |

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| Patent No. | Application No. | Title                                                                                                       | Country | Filing Date | Asset Category |
|------------|-----------------|-------------------------------------------------------------------------------------------------------------|---------|-------------|----------------|
|            | 09/193182       | PROTABLE IMAGE SCANNING DEVICE                                                                              | US      | 11/16/1998  | B              |
|            | 09/223381       | A MULTIPHASE AND MULTIPROFILE GEAR STRUCTURE                                                                | US      | 12/30/1998  | B              |
|            | 09/236561       | APPARATUS AND METHOD FOR ADJUSTING EXPOSURE IN A CAMERA                                                     | US      | 1/26/1999   | B              |
|            | 09/243802       | OPTICAL REFLECTION PANAL                                                                                    | US      | 2/3/1999    | B              |
|            | 09/299087       | DOCUMENT MOVABLE SCANNER                                                                                    | US      | 4/26/1999   | B              |
|            | 09/365774       | METHOD FOR ELIMINATING THE OCCURRENCE OF IRREGULARLIONES ON A SCANNED IMAGE                                 | US      | 8/3/1999    | B              |
|            | 09/392560       | OPTICAL PATH VARYING MECHANISM FOR IMAGE SCANNING DEVICE                                                    | US      | 9/9/1999    | B              |
|            | 09/392955       | COLOR DIGITAL IMAGING DEVICE CAPABLE OF LIGHT SOURCE SELECTIONS AND AFTER-SHOT RECOVERY                     | US      | 9/9/1999    | B              |
|            | 09/395427       | SCAN SPEED ENHANCEMENT METHOD AND SYSTEM FOR A SCANNER COUPLED TO A COMPUTER SYSTEM                         | US      | 9/14/1999   | B              |
|            | 09/397519       | METHOD OF USING A CHANGEABLE STOP FOR ENHANCING SCANNER RESOLUTION                                          | US      | 9/17/1999   | B              |
|            | 09/447601       | FAST GAIN VALUE AND DIRECT CURRENT VOLTAGELEVEL CORRECTION CIRCUIT AND PROCESS                              | US      | 11/23/1999  | B              |
|            | 09/448398       | METHOD OF IMAGE SELECTING AND COMPENSATION                                                                  | US      | 11/23/1999  | B              |
|            | 09/451423       | METHOD OF SIMULATING PERIPHERAL DEVICE PUSH BUTTONS USING COMPUTER KEYBOARD                                 | US      | 11/30/1999  | B              |
|            | 09/495383       | TWO-SIDE SCANNER                                                                                            | US      | 2/1/2000    | B              |
|            | 09/518023       | METHOD OF PROVIDING A SEMI-TRANSPARENT GRAPHICAL USER INTERFACE DISPLAY EFFECT ON A COMPUTER DISPLAY SCREEN | US      | 3/3/2000    | B              |
|            | 09/541626       | METHOD OF COMBINING WARM UP AND PREVIEW FOR SCANNER                                                         | US      | 4/3/2000    | B              |
|            | 09/576738       | TRANSMISSION MECHANISM FOR DRIVING A CONTACT-TYPE IMAGE SENSOR MODULE OF A SCANNER                          | US      | 5/23/2000   | B              |
|            | 09/606749       | ADJUSTMENT DEVICE FOR LIGHT INTENSITY IN AN OPTICAL SCANNER                                                 | US      | 6/29/2000   | B              |
|            | 09/618599       | FEEDBACK CONTROL SYSTEM FOR SCANNER                                                                         | US      | 7/17/2000   | B              |
|            | 09/621503       | DUAL PURPOSE SCANNING METHOD FOR TRANSPARENT AND REFLECTIVE                                                 | US      | 7/21/2000   | B              |
|            | 09/627822       | SCANNER WITH AN ORGANIC LIGHT EMITTING DIODE                                                                | US      | 7/28/2000   | B              |
|            | 09/630185       | EXPANDABLE SCANNER                                                                                          | US      | 8/1/2000    | B              |

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|------------|-----------------|---------------------------------------------------------------------------|---------|-------------|----------------|
|            | 09/635220       | METHOD OF DRIVING A STEPPING MOTOR IN A SCANNER                           | US      | 8/10/2000   | B              |
|            | 09/637810       | METHOD FOR DETERMINING CALIBRATION POSITION OF UPPER TRANSPARENCY ADAPTER | US      | 8/11/2000   | B              |
|            | 09/658447       | AN IMPROVED POWER SAVING MODULE FOR SCANNERS                              | US      | 9/8/2000    | B              |
|            | 09/660620       | SCANNER WITH ADJUSTABLE PHASE CLOCK DEVICE BUT NO DIGITAL BUFFERS         | US      | 9/13/2000   | B              |
|            | 09/660621       | INSTALLATION OF A DC MOTOR ENCODER OF AN OPTICAL SCANNER                  | US      | 9/13/2000   | B              |
|            | 09/662053       | METHOD AND APPARATUS FOR HIGH RESOLUTION OUTPUT OF A SCANNED OBJECT       | US      | 9/15/2000   | B              |
|            | 09/671287       | IMAGE SCANNER WITH MULTI-SENSOR                                           | US      | 9/27/2000   | B              |
|            | 09/675445       | CHARGE COUPLE DEVICE WITH BUILT-IN BUFFER                                 | US      | 9/28/2000   | B              |
|            | 09/678844       | METHOD AND APPARATUS FOR INPUT SCANNER CHARACTERISTIC VALUES              | US      | 10/4/2000   | B              |
|            | 09/684097       | A LEVEL REVISER OF A SCANNER SHELF                                        | US      | 10/6/2000   | B              |
|            | 09/690760       | FILTERING METHOD AND MECHANISM FOR SCANNERS                               | US      | 10/18/2000  | B              |
|            | 09/690762       | AN IMPROVED METHOD OF SUING INFRARED LIGHT FOR OPTICAL SCANNERS           | US      | 10/18/2000  | B              |
|            | 09/697067       | TRANSMISSION MECHANISM FOR SCANNER                                        | US      | 10/26/2000  | B              |
|            | 09/697105       | SELF-MOVABLE SCANNING APPARATUS                                           | US      | 10/26/2000  | B              |
|            | 09/697107       | GROOVE RAIL SCANNING APPARATUS                                            | US      | 10/26/2000  | B              |
|            | 09/697623       | SCANNING APPARATUS INCLUDING BUFFERING ROLLERS                            | US      | 10/26/2000  | B              |
|            | 09/697624       | ROLLER GUIDE RAIL SCANNING APPARATUS                                      | US      | 10/26/2000  | B              |
|            | 09/710717       | SCANNER WITH STAGGERED CCD                                                | US      | 11/10/2000  | B              |
|            | 09/715482       | METHOD OF REDUCING COMPENSATION DATA DOWNLOADING IN SCANNER               | US      | 11/17/2000  | B              |
|            | 09/715516       | DATA BUS SHARING METHOD FOR SCANNER                                       | US      | 11/17/2000  | B              |
|            | 10/064298       | STAIRS MOUNTING TRANSPORT TROLLEY AND RELATED STAIRS MOUNTING METHOD      | US      | 7/1/2002    | B              |
|            | 10/285273       | CIRCULAR OPTICAL REFLECTION APPARATUS                                     | US      | 10/31/2002  | B              |
|            | 10/323970       | SCANNER WITH COMMON ILLUMINATION LIGHT SOURCE                             | US      | 12/20/2002  | B              |
|            | 10/645509       | LENS MODULE                                                               | US      | 8/22/2003   | B              |
|            | 10/713042       | SCANNING DEVICE HAVE ADJUSTABLE IMAGE AMPLIFICATION OF LENS               | US      | 11/17/2003  | B              |
|            | 29/038444       | CD-ROM                                                                    | US      | 5/5/1995    | B              |
|            | 29/038445       | PERSONAL SCAN DEVICE                                                      | US      | 5/5/1995    | B              |

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|------------|-----------------|--------------------------------------------------------------------------|---------|-------------|----------------|
|            | 29/090267       | OPTICAL SCANNER                                                          | US      | 7/6/1998    | B              |
|            | 29/090322       | OPTICAL SCANNER                                                          | US      | 7/6/1998    | B              |
|            | 09/207615       | APPARATUS FOR PROCESSING VIDEO SIGNALS<br>AND EMPLOYING PHASELOCKED LOOP | US      | 12/9/1998   | B              |

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