# PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|---|---|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

**CONVEYING PARTY DATA**

| Name | Execution Date |
|---|---|
| MACROMEDIA, INC. | 12/07/2005 |

**RECEIVING PARTY DATA**

| Name: | ADOBE SYSTEMS INCORPORATED |
|---|---|
| Street Address: | 345 PARK AVENUE |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95110-2704 |

**PROPERTY NUMBERS Total: 1**

| Property Type | Number |
|---|---|
| Application Number: | 13033700 |

**CORRESPONDENCE DATA**

| | |
|---|---|
| Fax Number: | (404)541-3375 |

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

| | |
|---|---|
| Phone: | 4048156500 |
| Email: | PATENTCORRESPONDENCE@KILSTOCK.COM |
| Correspondent Name: | JOHN S. PRATT, KILPATRICK STOCKTON LLP |
| Address Line 1: | 1100 PEACHTREE STREET |
| Address Line 2: | SUITE 2800 |
| Address Line 4: | ATLANTA, GEORGIA 30309 |

| ATTORNEY DOCKET NUMBER: | 58083/414367 |
|---|---|
| NAME OF SUBMITTER: | Angela M. Rossi |

Total Attachments: 11
source=Assignment_Adobe#page1.tif
source=Assignment_Adobe#page2.tif
source=Assignment_Adobe#page3.tif
source=Assignment_Adobe#page4.tif

OP $40.00 13033700

**501447727**

**PATENT
REEL: 025855 FRAME: 0400**

source=Assignment_Adobe#page5.tif
source=Assignment_Adobe#page6.tif
source=Assignment_Adobe#page7.tif
source=Assignment_Adobe#page8.tif
source=Assignment_Adobe#page9.tif
source=Assignment_Adobe#page10.tif
source=Assignment_Adobe#page11.tif

## ASSIGNMENT OF PATENTS AND APPLICATIONS BY
## MACROMEDIA, INC. TO ADOBE SYSTEMS INCORPORATED

Effective this ___7TH___ day of __DECEMBER__, 2005, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Macromedia, Inc., a Delaware corporation having a business address at 601 Townsend Street, San Francisco, California 94103, ("Assignor") does hereby:

(a)    represent and warrant that Assignor is the sole owner of the patents and provisional and non-provisional patent applications listed on the Attachment ("Patents and Applications");

(b)    assign and transfer to Adobe Systems Incorporated, a Delaware corporation having a business address at 345 Park Avenue, San Jose, California 95110-2704 ("Assignee"), all of Assignor's right, in the United States, its territorial possessions, and all foreign countries, to:

> (i) any and all inventions described in each Patent or Application listed on the Attachment (the "Inventions");
> (ii) said Patents and Applications;
> (iii) any patent which may be granted therefor;
> (iv) the right to file applications for patent of the United States or other countries on the Invention(s),
> (v) any application(s) for patent of the United States or other countries claiming the Invention(s);
> (vi) any patent applications or patents which may claim priority of any of said Patents and Applications (including but not limited to any and all continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, and all other rights, together with all priority rights, under any existing or future international patent conventions, unions, agreements, acts or treaties); and
> (vii) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (ii) through (vi)

(c)    agree, upon request by and at the expense of Assignee (or its successors, assigns or legal representatives), to: (i) execute all oaths, assignments, powers of attorney and any other papers; (ii) testify in any legal or quasi legal proceedings; (iii) take any action; and (iv) otherwise fully cooperate with Assignee; in connection with perfecting Assignee's title, or securing, maintaining and enforcing Assignee's rights, under this assignment; and

(d)    represent, warrant and covenant that no assignment, grant, mortgage, license or other agreement inconsistent with the rights and property herein conveyed to Assignee has been made or shall be made by Assignor.

Assignor hereby requests the issuance of said patents to Assignee for the sole use and behalf of Assignee, its successors, legal representatives and assigns.
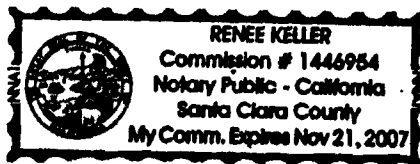
Macromedia, Inc. ("Assignor")

Date: _12/7/2005_                                By: _Karen O. Cottle_

Karen O. Cottle
Vice President and Secretary

STATE OF _California_ §
COUNTY OF _Santa Clara_ §

BEFORE ME, the undersigned authority, on this _7_ day of _December_ 2005, personally appeared _Karen O. Cottle_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

_Renee Kell_
Notary or Consular Officer

[SEAL]

RENEE KELLER
Commission # 1446954
Notary Public - California
Santa Clara County
My Comm. Expires Nov 21, 2007

Adobe Systems Incorporated ("Assignee")

Date: _12/7/2005_

By: _Karen O. Cottle_
Karen O. Cottle
Senior Vice President, General Counsel
and Corporate Secretary

STATE OF _California_ §
COUNTY OF _Santa Clara_ §

    BEFORE ME, the undersigned authority, on this _7_ day of _December_ 2005, personally appeared _Karen O. Cottle_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

RENEE KELLER
Commission # 1446954
Notary Public - California
Santa Clara County
My Comm. Expires Nov 21, 2007

_Renee Keller_
Notary or Consular Officer

## PATENTS AND APPLICATIONS

| Country | Serial No./ Pat. No. | Filing Date | Issue Date | Title of Invention | Inventor(s) | Status |
|---|---|---|---|---|---|---|
| US | 6,771,276 | 10/27/2000 | 8/3/2004 | A Two Dimensional Drawing Environment Utilizing Perspective Grids | Delores Highsmith, Fan Yu, David Halpin | Issued |
| US | 6,558,431 | 9/11/1998 | 5/6/2003 | Storing Valid and Invalid Markup Language In Strict and Relaxed Tables Respectively | Kevin M. Lynch, Narciso B. Jaramillo, Hava B. Edelstein, Benjamin G. Fuller | Issued |
| US | 6,459,439 | 4/27/1999 | 10/1/2002 | Reshaping of Paths Without Respect to Control Points | John B. Ahlquist, Jr., Douglas S. Benson, Fan Yu, Ateven R. Johnson, Brian T. Schmidt | Issued |
| | | | | | | |
| US | 6,373,490 | 3/9/1998 | 4/16/2002 | Using Remembered Properties to Create and Regenerate Points Along an Editable Path | Matthew Bendiksen, Dennis E. Griffin | Issued |
| **REDACTED** | | | | Rโ..TED | | |
| US | Des. 424,036 | 7/29/1996 | 5/20/2000 | (Net Objects) Computer Generated Icon of Primary and Secondary Navigator Bars for a Display Screen | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| | | | | | | |
| US | 5,911,145 | 7/29/1996 | 6/8/1999 | (Net Objects) Hierarchical Structure Editor for Web Sites | Samir Arora; Gagan Arora, Rajagopal Lakshminarayan, Gregory Brown, Martin Fried-Nielsen, Clement Mok, David Kleinberg | Issued |
| US | Des. 403,674 | 7/29/1996 | 1/5/1999 | (Net Objects) Computer Icon for a Display Screen (Site) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | Des. 403,673 | 7/29/1996 | 1/5/1999 | (Net Objects) Computer Icon for a Screen (Spoked Wheel) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | 5,845,299 | 7/29/1996 | 12/1/1998 | (Net Objects) Draw-Based Editor for Web Pages | Samir Arora; Gagan Arora, Rajagopal Lakshminarayan, Gregory Brown, Martin Fried-Nielsen, | Issued |
| US | Des. 399,501 | 7/29/1996 | 10/13/1998 | (Net Objects) Computer Icon for a Display Screen (Arrows) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | Des. 399,196 | 7/29/1996 | 10/6/1998 | (Net Objects) Computer Icon for a Display Screen (Publish) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | 5,808,610 | 8/28/1996 | 9/15/1998 | Method and System of Docking Panels | Doug Benson, Keith Bottner, Michael Froman, Scott Thompson | Issued |
| US | Des. 397,687 | 7/29/1996 | 9/1/1998 | (Net Objects) Computer Icon for a Display Screen (Pocket) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |

| US | Des. 397,103 | 7/29/1996 | 8/18/1998 | (Net Objects) Computer Icon for a Display Screen (Assets) | Samir Arora, | Issued |
|---|---|---|---|---|---|---|
| US | Des. 395,428 | 7/29/1996 | 6/23/1998 | (Net Objects) Computer Icon for a Display Screen (Page) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | Des. 395,427 | 7/29/1996 | 6/23/1998 | (Net Objects) Computer Icon for a Display Screen (Style) | Samir Arora, Clement Mok, Victor B. Zauderer, Susan Kare | Issued |
| US | 5,623,593 | 6/27/1994 | 4/22/1997 | System and Method for Automatically Spacing Characters | Henry D. Spells | Issued |
| US | 5,594,855 | 1/9/1995 | 1/14/1997 | System & Method for Generating Real Time Calligraphic Curves | James R. Von Her, II; Steven R. Johnson; Samantha Seals_Mason. | Issued |
| | | | | | | |
| US | 5,500,927 | 3/18/1993 | 3/19/1996 | System & Method for Simplifying a Computer-Generated Path | Robert B. Sander-Cederlog; John B. Ahlquist | Issued |
| US | 5,467,443 | 9/25/1991 | 11/14/1995 | System & Method For Automatically Generating Derived Graphic Elements | Steven R. Johnson; Kevin F. Crowder, Samantha Seals-Mason; James R. Von Ehr, II | Issued |
| US | 5,434,959 | 2/11/1992 | 7/18/1995 | System & Method of Generating Variable Width Lines Within A Graphics System | James R. VonEhr, II; John B. Ahlquist, Jr.; Samntha Seals-Mason | Issued |
| US | 5,361,333 | 6/4/1992 | 11/1/1994 | System & Method For Generating Self-Overlapping Calligraphic Images | Ahlquist, Jr.; John B. Von Her, II; James R. Seals_Mason, Samantha | Issued |
| US | 5,353,396 | 6/4/1992 | 10/4/1994 | System & Method For Generating Complex Calligraphic Curves | Ahlquist, Jr.; John B. Von Her, II; James R. Seals_Mason, Samantha | Issued |

**REDACTED**

**REDACTED**

| | | | | | | |
|---|---|---|---|---|---|---|
| US | 11/217,073 | 8/31/2005 | | Systems and Methods for Providing Visual Component Layout Input in Alternate Forms | Eliot Greenfield, David George | Pending |

| | | | | | | |
|---|---|---|---|---|---|---|
| US | 11/209,335 | 8/23/2005 | | Content Collapse Outside of Selection | Christopher Bank, Joaquin Blas, John Skidgel | Pending |
| US | 11/210,270 | 8/23/2005 | | Message Cues Associated with Content Collapse Indicators | Joaquin Blas, John Skidgel | Pending |
| US | 11/210,250 | 8/23/2005 | | Automatic Content Expansion Indicators | Joaquin Blas, John Skidgel | Pending |
| US | 11/194,118 | 7/29/2005 | | Systems and Methods for Specifying States within Imperative Code | Sho Kuwamoto, Eliot Greenfield, Mark Anders | Pending |
| US | 11/192,985 | 7/29/2005 | | Exposing Rich Internet Application Content to Search Engines | Eliot Greenfield, Mark Anders, Sho Kuwamoto, Todd Rein | Pending |
| US | 11/192,987 | 7/29/2005 | | Enhanced Design Guides | Andrew Finnell | Pending |
| US | 11/193,319 | 7/29/2005 | | Systems and Methods for a Fold Preview | John Skidgel | Pending |
| US | 11/192,986 | 7/29/2005 | | Parameterized Motion Paths | Sho Kuwamoto | Pending |
| US | 11/189,094 | 7/25/2005 | | Defining Style Values as Objects | Eliot Greenfield, David George | Pending |
| US | 11/187,626 | 7/22/2005 | | CSS Proto Chaining | David George, Edwin Smith | Pending |
| US | 11/182,503 | 7/15/2005 | | Singly-Addressable Electronic Meeting Space | Bhanu Sharma | Pending |
| US | 11/183,192 | 7/15/2005 | | Randomly Accessible Automated Meeting Persistence | Bhanu Sharma | Pending |
| US | 11/175,114 | 7/5/2005 | | Localized Exploded View | Dexter Reid, Narciso Jaramillo, Mark Anders | Pending |
| US | 11/172,423 | 6/30/2005 | | Constrained Absolute Positioning | Ely Greenfield | Pending |
| US | 11/172,422 | 6/30/2005 | | Rendition-Based Graphical Layout Management | Gordon Smith | Pending |
| US | 11/173,985 | 6/30/2005 | | Fast Seek in Streaming Media | Srinivas Manapragada, Pritham Shetty, Asa | Pending |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Whillock | |
| US | 11/173,957 | 6/30/2005 | | Enhanced Seek In Streaming Media | Srinivas Manapragada, Pritham Shetty, David Simmons | Pending |
| US | 11/140,582 | 5/27/2005 | | Block Visualization | Victor Mitnick | Pending |
| | | | | | | |
| US | 11/120,658 | 5/3/2005 | | Visual Template Authoring | Jorege Taylor, Amit Kishnani, Joshua Margulis | Pending |
| US | 11/120,637 | 5/3/2005 | | Interactive Special Paste | Victor Mitnick, Jay London | Pending |
| US | 11/112,964 | 4/22/2005 | | Element View Toggling | Randall Edmunds | Pending |
| US | 11/110,651 | 4/20/2005 | | Integration of Telephone Audio Into Electronic Meeting Archives | Nigel Pegg, Srinivas Manapragada, Bhanu Sharma | Pending |
| US | 11/103,344 | 4/11/2005 | | Visual Interface Element Transition Effect | Nigel Pegg | Pending |

## REDACTED

| | | | | | | |
|---|---|---|---|---|---|---|
| US | 11/069,932 | 2/28/2005 | | Application Server Gateway Technology | Xu Chen, Thomas Jordahl, Damon Cooper | Pending |
| US | 11/062,898 | 2/22/2005 | | DTD-Based Properties Lists | Dean Harmon | Pending |
| US | 11/049,368 | 2/2/2005 | | Report Engine With In-Memory Query Engine | Camille Batarekh, Geoff Greene | Pending |
| US | 11/019,101 | 12/21/2004 | | Configurable File Placement | Brandon Kroupa | Pending |
| US | 11/002,729 | 12/2/2004 | | File System Atomic Lock | Eric M. Herrmann, Darrick P. Brown | Pending |
| US | 10/978,832 | 10/31/2004 | | Centralized, Server-Less Content Management | Charles McBrian | Pending |
| US | 10/978,833 | 10/31/2004 | | Document Generation From WebPages | Xu Chen, Damon Cooper, Geoff Greene, Michael Nimer, Sherman Gong | Pending |
| US | 10/975,036 | 10/27/2004 | | Automatic Component Update and Integration | Heidi Bauer Williams | Pending |
| US | 10/974,556 | 10/27/2004 | | Enhanced Navigation for Visual Design Editing | Dexter Reid, Tatyana Dimalasky | Pending |
| US | 10/959,952 | 10/6/2004 | | Intelligent Cut, Copy, and Paste | Valerie Green | Pending |
| US | 10/955,972 | 9/30/2004 | | Preserving Document Construct Fidelity in Converting Graphic-Represented Documents into Text-Readable Documents | Mark Wineman, Yizhen Jiang, Dazheng Wang | Pending |
| US | 10/954,977 | 9/30/2004 | | Smart Document Import | Mark Wineman, Yizhen Jiang, Dazheng Wang | Pending |
| US | 10/930,679 | 8/31/2004 | | Relevant Rule Inspector for Hierarchical Documents | James Doubek, Jorge Taylor, Narciso Jaramillo, Sho Kuwamoto | Pending |
| US | 10/930,714 | 8/31/2004 | | Automatic Creation of Cascading Style Sheets | Russ Helfand, Narciso Jaramillo | Pending |
| US | 10/927,963 | 8/27/2004 | | Expanded Container View for Graphical Editing Environment | Victor Mitnick, Alain Dumesny, Dexter Reid, | Pending |

| | | | | | | Gabriel Chua | |
|---|---|---|---|---|---|---|---|
| | | | | | **REDACTED** | | |
| US | 10/856,424 | 5/29/2004 | | | Ad Hoc Access Rights in Restricted - Access Electronic Space | Jonathan Gay, Giacomo Guilizzoni | Pending |
| US | 10/856,701 | 5/28/2004 | | | Intelligent Automatic Window Sizing | Jonathan Gay, Giacomo Guilizzoni | Pending |
| US | 10/857,254 | 5/28/2004 | | | Dynamically Adaptable Collaborative Electronic Meeting Space | Jonathan Gay, Giacomo Guilizzoni | Pending |
| US | 10/856,734 | 5/28/2004 | | | Presenter-Only Meeting Canvas for Collaborative Electronic Meeting Space | Jonathan Gay, Giacomo Guilizzoni | Pending |
| US | 10/856,334 | 5/28/2004 | | | Visual Merge Utility | Yizhen Jiang, Weihua Wang, Mark Wineman | Pending |
| US | 10/856,428 | 5/28/2004 | | | Automatically Scalable Presentation of Video Demonstration Content | Arlyn Asch | Pending |
| US | 10/856,429 | 5/28/2004 | | | Seamless Integration of Video Capture in Demonstration Applications | Arlyn Asch | Pending |
| US | 10/857,606 | 5/27/2004 | | | Real-Time Meeting Object Extensibility | Jonathan Gay, Giacomo Guilizzoni | Pending |
| US | 10/854,762 | 5/26/2004 | | | System and Method for Archiving Collaborative Electronic Meetings | Slavik Lozben | Pending |
| US | 10/831,529 | 4/23/2004 | | | Cross-View Undo Edits for Multi-View Editing Environments | Jeffrey Schang | Pending |
| US | 10/803,290 | 3/18/2004 | | | Method and System for Automatically Captioning Actions in a Recorded Electronic Demonstration | Arlyn Asch, Bjorn Pedersen, Magnus Nirell, Qian Zhang | Pending |
| US | 10/796,785 | 3/8/2004 | | | A System and Method for Managing Instantiation of Interface Elements in Rich Internet Applications | Albert Gordon Smith, Glenn Ruehle, Eliot Greenfield | Pending |
| US | 10/794,173 | 3/5/2004 | | | Management of User Interaction History with Software Applications | Glenn Ruehle | Pending |
| US | 10/795,120 | 3/5/2004 | | | System and Method for Routing Data | Matthew Chotin, Eliot Greenfield, David George, Glen Daniels | Pending |
| US | 10/791,299 | 3/1/2004 | | | System and Method for Developing Information for a Wireless Information System | Basil Hosmer, Brian Connolly, Saurav Chatterjee, Samuel MacDonnell, Norm Meyrowitz, James Morris, Laurent Sellier | Pending |
| US | 10/791,298 | 3/1/2004 | | | Mobile Rich Media Information System | James Morris, Samuel MacDonnell, Dmitri Abramov, Laurent Sellier, David Bliss, Jacquie Moss, Norm Meyrowitz, Brian Connolly, Basil Hosmer, Saurav Chatterjee, Christopher Peterson, Guno Sutiono | Pending |
| US | 10/791,311 | 3/1/2004 | | | Bandwidth Management System | Dwight Rodgers, Brian Connolly, James Morris, Laurent Sellier, Basil Hosmer | Pending |
| | | | | | **REDACTED** | | |
| US | 10/690,980 | 10/21/2003 | | | Content-Restricted Editing | Ken Sundermeyer, Kuwamoto | Pending |
| US | 10/690,214 | 10/21/2003 | | | Web Site Management Lifecycle | Mike Sundermeyer, Jaramillo | Pending |

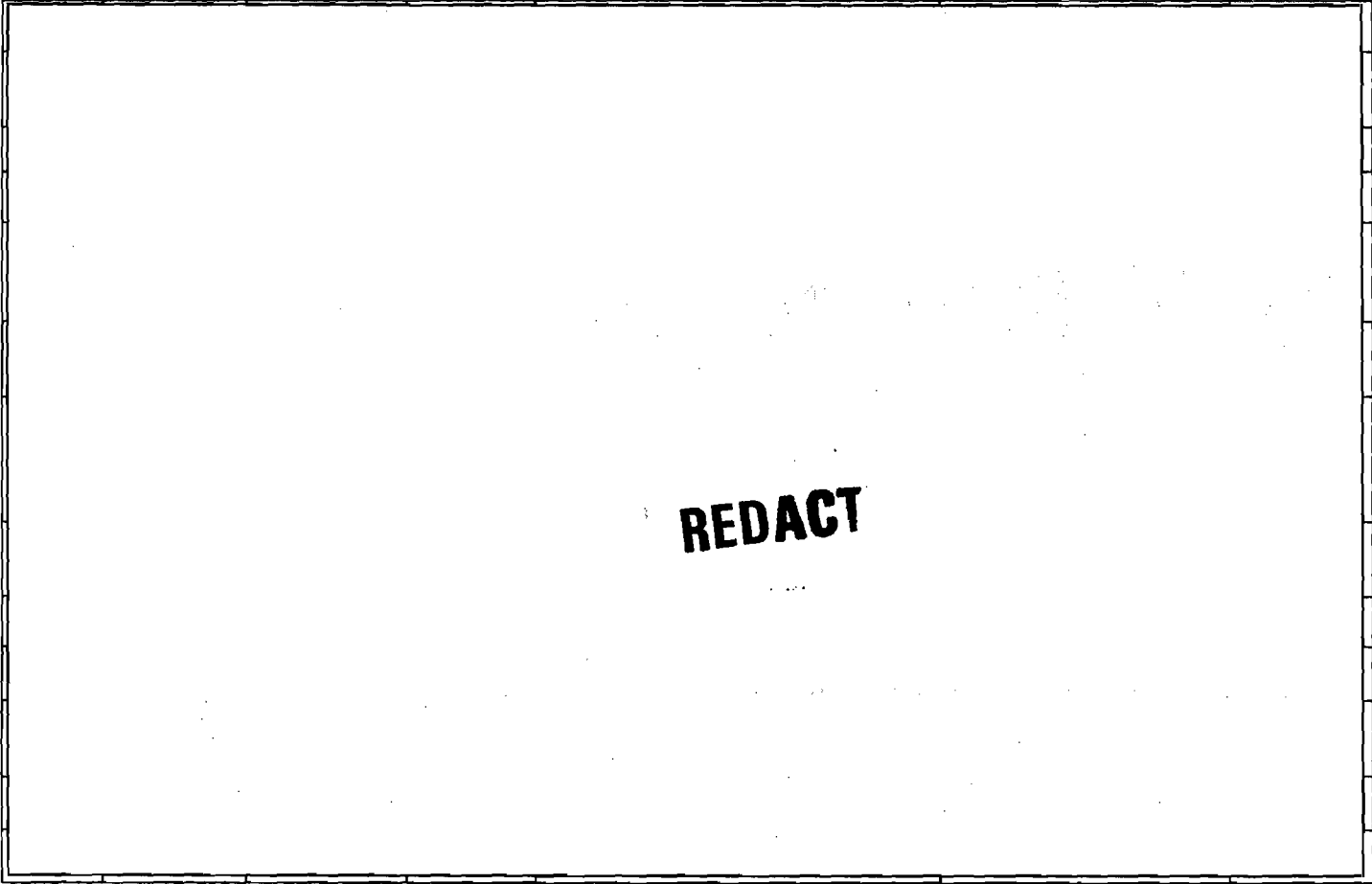| US | 10/689,870 | 10/21/2003 | | Automatic Set Up for Editing a Web Site | Josh Margulis | Pending |
|----|------------|------------|---|---|---|---|
| US | 10/689,860 | 10/21/2003 | | Cross-Protocol URL Mapping | Darrick Brown | Pending |
| US | 10/688,062 | 10/17/2003 | | Live-Server Content Staging | McBrian, Brown, Ken Sundermeyer | Pending |
| | | | | | | |
| US | 10/465,039 | 6/19/2003 | | System and Method for Representing Multiple Sets of Z-Space Information in a User Interface Display | Lin, Knight | Pending |
| US | 10/424,561 | 4/28/2003 | | Enhanced Visual Table Editing | Heidi Bauer Williams | Pending |
| US | 10/425,004 | 4/28/2003 | | Flexible User Interface Assistant | George, Jaramillo, McBrian | Pending |
| US | 10/402,357 | 3/28/2003 | | Shared Persistent Objects | Lozben, Edelman, Gay, Shetty, Cheng | Pending |
| US | 10/377,144 | 2/28/2003 | | Reconstitute Tag-Delimited Tables in Graphics Editing Application | Thrall, Edgin | Pending |
| | | | | | | |
| US | 10/366,646 | 2/13/2003 | | Real-Time Priority-Based Media Communication | Lozben, Edelman, Gay, Shetty | Pending |
| US | 10/353,782 | 1/29/2003 | | Server Proxy Object Creation Method and System | Lozben, Edelman, Gay, Shetty, Cheng | Pending |
| US | 10/353,811 | 1/29/2003 | | Client Controllable Server Side Play lists | Lozben, Edelman, Gay, Shetty, Cheng | Pending |

# REDACTED

| US | 10/277,625 | 10/22/2002 | | Universal Component System for Application Servers | Simeonov, Washburn, Muzilla | Pending |
|----|------------|------------|---|---|---|---|
| US | 10/263,124 | 10/2/2002 | | Hierarchical Drag and Drop Structure Editor for Web Sites | S. Arora, G. Arora, Lakshminanra, Brown, Frid-Nielson, Mok, Kleinberg | Pending |
| | | | | | | |
| US | 10/164,322 | 6/5/2002 | | Web Application Internationalization | Clement Wong | Pending |

| US | 10/107,238 | 3/27/2002 | | Draw-Based Editor for Web Pages | S. Arora, G. Arora, Lakshminanra, Brown, Frid-Nielson | Continuatio nof Issued Patent 5,845,299 |
|---|---|---|---|---|---|---|
| US | 10/062,576 | 1/31/2002 | | Layered Master Pages | Spells, Halpin, Yu | Pending |
| | | | | | | |
| US | 10/001,213 | 10/25/2001 | | Graphical Insertion of Java script Pop-Up Menus | Alquist, Benson, Griffin | Pending |
| US | 10/001,212 | 10/25/2001 | | Graphical Assignment of Object Behaviors | Benson, Griffin | Pending |
| US | 10/011,266 | 10/25/2001 | | Launch and Edit User Interface Improvements | Benson, Dumesny | Pending |

**REDACTED**

| US | 09/158,644 | 9/22/1998 | | Hierarchical Structure Editor for Web Sites | Arora, Lakshminanra, Brown, Frid-Nielson, Mok, Kleinberg | Abandoned |
|---|---|---|---|---|---|---|
| US | 09/153,536 | 9/16/1998 | | Draw-Based Editor for Web Pages | S. Arora, G. Arora, Lakshminanra, Brown, Frid-Nielson | Pending |
| US | 08/827,634 | 4/9/1997 | | Method and Apparatus for Implementing Web Pages Having Smart Tables | Boye | Pending |

REDACT

REDACTED

11