

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Masaru OHGAKI</td><td>04/18/2008</td></tr><tr><td>Masahiro MASUZAWA</td><td>04/18/2008</td></tr><tr><td>Toshihiro KANEMATSU</td><td>04/18/2008</td></tr><tr><td>Shinji AOKI</td><td>04/18/2008</td></tr><tr><td>Shinya SENO</td><td>04/18/2008</td></tr><tr><td>Hisayoshi OHSHIMA</td><td>04/18/2008</td></tr></tbody></table>	Name	Execution Date	Masaru OHGAKI	04/18/2008	Masahiro MASUZAWA	04/18/2008	Toshihiro KANEMATSU	04/18/2008	Shinji AOKI	04/18/2008	Shinya SENO	04/18/2008	Hisayoshi OHSHIMA	04/18/2008	
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Shinji AOKI	04/18/2008														
Shinya SENO	04/18/2008														
Hisayoshi OHSHIMA	04/18/2008														
RECEIVING PARTY DATA															
Name:	Ricoh Company, Ltd.														
Street Address:	3-6, Nakamagome 1-chome, Ohta-ku														
City:	Tokyo														
State/Country:	JAPAN														
Postal Code:	143-8555														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12043777</td></tr></tbody></table>	Property Type	Number	Application Number:	12043777											
Property Type	Number														
Application Number:	12043777														
CORRESPONDENCE DATA															
Fax Number:	(212)391-0525														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Email:	PatentDocketing@cooperdunham.com														
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ATTORNEY DOCKET NUMBER:	2271/78534														
NAME OF SUBMITTER:	Paul Teng														

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PATENT  
REEL: 020906 FRAME: 0869

Total Attachments: 4

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**PATENT**

**REEL: 020906 FRAME: 0870**

FORM PTO-1595 (Substitute)

RECORDATION FORM COVER SHEET

U S DEPARTMENT OF COMMERCE

(Rev 8-96)

**PATENTS ONLY**

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1 Name of conveying party(ies):

Masaru OHGAKI, Masahiro MASUZAWA,  
Toshihiro KANEMATSU, Shinji AOKI, Shinya  
SENO, and Hisayoshi OHSHIMA

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2 Name and address of receiving party(ies):

Name: Ricoh Company, Ltd.

Internal Address: \_\_\_\_\_

Street Address: 3-6, Nakamagome 1-chome,  
Ohta-ku

City/State/Zip: Tokyo 143-8555, Japan

## 3 Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Assignment ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date(s): April 18, 2008; April  
18, 2008; April 18, 2008; April 18,  
2008; April 18, 2008; April 18, 2008Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4 Application number(s) or patent number(s) If this document is being filed together with a new application, the execution date(s) of the application is (are):

A Patent Application No (s) 12/043,777; Filed:  
March 6, 2008

B Patent No (s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5 Name and address of party to whom correspondence concerning document should be mailed

Name Ivan S. Kavrukov, Esq.

Internal Address: \_\_\_\_\_

Street Address: Cooper & Dunham LLP  
1185 Avenue of the Americas

City/State/Zip New York, New York 10036

## 6 Total number of applications and patents involved 1

7 Total fee (37 CFR §3.41).. \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8 Deposit account number:

03-3125

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## 9 Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Paul Teng, Reg. No 40,837

Name of Person Signing

Signature

May 6, 2008

Date

Total Number of pages including cover sheet, attachments and  
document: 4

OMB No 0651-0011 (exp 4/94)

Mail documents to be recorded with required cover sheet information to  
 Mail Stop Assignment Recordation Services  
 Director of the United States Patent and Trademark Office  
 P O. Box 1450  
 Alexandria, VA 22313-1450

# Patent Application Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I (we), the undersigned, hereby sell, assign and transfer to RICOH COMPANY, LTD., a corporation of Japan, having a place of business at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned concurrently herewith and is entitled DISPLAY PANEL, METHOD OF MANUFACTURING A DISPLAY PANEL, AND DISPLAY UNIT, and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions,

in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Masaru Ohgaki [L.S.]  
MASARU OHGAKI

Date: April 18, 2008

Masahiro Masuzawa [L.S.]  
MASAHIRO MASUZAWA

Date: April 18, 2008

Toshihiro Kanematsu [L.S.]  
TOSHIHIRO KANEMATSU

Date: April 18, 2008

Shinji Aoki [L.S.]  
SHINJI AOKI


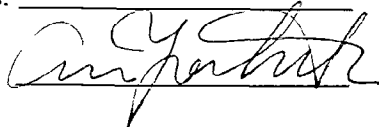
Date: April 18, 2008

Shinya Seno [L.S.]  
SHINYA SENO

Date: April 18, 2008

Hisayoshi Oshima [L.S.]  
HISAYOSHI OHSHIMA

Date: April 18, 2008

Witness:   


Forms Index

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**COOPER & DUNHAM LLP**

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Intellectual and Industrial Property Law including Patent, Trademark, Unfair Competition, Copyright and Antitrust Law. Trials.