

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hidenori TOMONO</td> <td>09/03/2007</td> </tr> <tr> <td>Ikue KAWASHIMA</td> <td>09/03/2007</td> </tr> <tr> <td>Koei SUZUKI</td> <td>09/03/2007</td> </tr> <tr> <td>Yoshikazu AKIYAMA</td> <td>09/11/2007</td> </tr> </tbody> </table>		Name	Execution Date	Hidenori TOMONO	09/03/2007	Ikue KAWASHIMA	09/03/2007	Koei SUZUKI	09/03/2007	Yoshikazu AKIYAMA	09/11/2007
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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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11846092</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11846092						
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Application Number:	11846092										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	314040US										
NAME OF SUBMITTER:	Mesfin Kassaye										

Total Attachments: 2
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PATENT
REEL: 019913 FRAME: 0664

OP \$40.00 11846092

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) HIDENORI TOMONO, IKUE KAWASHIMA, KOEI SUZUKI

and YOSHIKAZU AKIYAMA

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

of Kanagawa, Japan

of Kanagawa, Japan

of Kanagawa, Japan

of Kanagawa, Japan

, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: WIRING PATTERN, ELECTRONIC DEVICE, ORGANIC SEMICONDUCTOR DEVICE, LAYERED WIRING PATTERN, AND LAYERED WIRING SUBSTRATE USING THE WIRING PATTERN

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on September 3, 2007

(Application No. 11/846,092, filed August 28, 2007), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, RICOH COMPANY, LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-6, Nakamagome 1-chome, Ohta-ku,

Tokyo 143-8555, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

10/01

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: September 3, 2007 Hidenori Tomono
 (Signature of Inventor) HIDENORI TOMONO

Date: September 3, 2007 Ikue Kawashima
 (Signature of Inventor) IKUE KAWASHIMA

Date: September 3, 2007 Koei Suzuki
 (Signature of Inventor) KOEI SUZUKI

Date: September 11, 2007 Yoshikazu Akiyama
 (Signature of Inventor) YOSHIKAZU AKIYAMA

Date: _____
 (Signature of Inventor)

Date: _____
 (Signature of Inventor)

Date: _____
 (Signature of Inventor)

Date: _____
 (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

10/01