

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>Toshimichi Hagiya</td> <td>09/01/2008</td> </tr> <tr> <td>Kazuya Miyagaki</td> <td>09/01/2008</td> </tr> <tr> <td>Atsushi Takaura</td> <td>09/01/2008</td> </tr> <tr> <td>Toshiaki Tokita</td> <td>09/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Toshimichi Hagiya	09/01/2008	Kazuya Miyagaki	09/01/2008	Atsushi Takaura	09/01/2008	Toshiaki Tokita	09/01/2008
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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>12204361</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12204361						
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CORRESPONDENCE DATA											
Fax Number:	(202)420-2201										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	R2184.0677/P677										
NAME OF SUBMITTER:	Penny Harris										
<p>Total Attachments: 2 source=677#page1.tif</p>											

OP \$40.00 12204361

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**PATENT
 REEL: 021483 FRAME: 0494**

ASSIGNMENT

THIS ASSIGNMENT, by TOSHIMICHI HAGIYA, KAZUYA MIYAGAKI, ATSUSHI TAKAURA, TOSHIKI TOKITA (hereinafter referred to as "Assignors"), residing at Chiba, Japan, Kanagawa, Japan, Tokyo, Japan, and Kanagawa, Japan, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in OPTICAL PATH SWITCHING DEVICE, OPTICAL SCANNING DEVICE, AND IMAGE FORMING APPARATUS, set forth in a patent application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"), having offices 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 inventions and said application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said

inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Director of the United States Patent and Trademark Office to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification 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: All practitioners associated with Customer Number 24998 (Dickstein Shapiro LLP).

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

September 1, 2008
Date

Tosimichi Hagiya
TOSHIMICHI HAGIYA

September 1, 2008
Date

Kazuya Miyagaki
KAZUYA MIYAGAKI

September 1, 2008
Date

Atsushi Takaura
ATSUSHI TAKAURA

September 1, 2008
Date

Toshiaki Tokita
TOSHIAKI TOKITA

September 1, 2008
Date

Tadahito Satō
Witness

September 1, 2008
Date

Mitsuko Sabata
Witness