

PATENT ASSIGNMENT

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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>Kazuhiro AKATSU</td> <td>07/11/2012</td> </tr> <tr> <td>Seizo SUZUKI</td> <td>07/14/2012</td> </tr> <tr> <td>Masaaki ISHIDA</td> <td>07/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiro AKATSU	07/11/2012	Seizo SUZUKI	07/14/2012	Masaaki ISHIDA	07/11/2012
Name	Execution Date								
Kazuhiro AKATSU	07/11/2012								
Seizo SUZUKI	07/14/2012								
Masaaki ISHIDA	07/11/2012								
RECEIVING PARTY DATA									
Name:	Ricoh Company, Ltd.								
Street Address:	3-6, Nakamagome 1-chome								
City:	Ohta-ku, 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>13556500</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13556500				
Property Type	Number								
Application Number:	13556500								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=402191USASN#page1.tif source=402191USASN#page2.tif									

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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, L.L.P. 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: <u>July 11, 2012</u>	<u>Kazuhiro Akatsu</u> (Signature of Inventor) KAZUHIRO AKATSU
Date: <u>July 14, 2012</u>	<u>Seizo Suzuki</u> (Signature of Inventor) SEIZO SUZUKI
Date: <u>July 11, 2012</u>	<u>Masaaki Ishida</u> (Signature of Inventor) MASA AKI ISHIDA
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

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07/09