

## 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>Masana SHIBA</td> <td>03/20/2013</td> </tr> <tr> <td>Ryuta CHIBA</td> <td>03/20/2013</td> </tr> <tr> <td>Tsuneyasu NAGATOMO</td> <td>03/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Masana SHIBA	03/20/2013	Ryuta CHIBA	03/20/2013	Tsuneyasu NAGATOMO	03/20/2013
Name	Execution Date								
Masana SHIBA	03/20/2013								
Ryuta CHIBA	03/20/2013								
Tsuneyasu NAGATOMO	03/20/2013								
RECEIVING PARTY DATA									
Name:	Ricoh Company, Ltd.								
Street Address:	3-6, Nakamagome 1-chome, Ohta-ku								
City:	Tokyo								
State/Country:	JAPAN								
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>13877108</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13877108				
Property Type	Number								
Application Number:	13877108								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=414555US-Assignment#page1.tif source=414555US-Assignment#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, 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: March 20, 2013

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(Signature of Inventor) Masana Shiba

Date: March 20, 2013

Ryuta Chiba  
(Signature of Inventor) Ryuta Chiba

Date: March 20, 2013

Tsuneyasu Nagatomo  
(Signature of Inventor) Tsuneyasu Nagatomo

Date: \_\_\_\_\_

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Date: \_\_\_\_\_

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