

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>Atsuhiko KUZUMAKI</td> <td>09/02/2011</td> </tr> <tr> <td>Hiroshi MOCHIKAWA</td> <td>09/02/2011</td> </tr> <tr> <td>Takeru MURAO</td> <td>09/05/2011</td> </tr> <tr> <td>Masahiro TAKASAKI</td> <td>09/28/2011</td> </tr> <tr> <td>Tadao ISHIKAWA</td> <td>10/03/2011</td> </tr> <tr> <td>Toshiaki KIKUMA</td> <td>09/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	Atsuhiko KUZUMAKI	09/02/2011	Hiroshi MOCHIKAWA	09/02/2011	Takeru MURAO	09/05/2011	Masahiro TAKASAKI	09/28/2011	Tadao ISHIKAWA	10/03/2011	Toshiaki KIKUMA	09/28/2011
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<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-Ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-Ku	City:	Tokyo	State/Country:	Japan	Postal Code:	105-8001				
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PROPERTY NUMBERS Total: 1															
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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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 Obion, 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: Sep. 2, 2011

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