

## 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>Riu HIRAI</td> <td>12/16/2011</td> </tr> <tr> <td>Nobuhiko KIKUCHI</td> <td>12/18/2011</td> </tr> <tr> <td>Tetsuya UDA</td> <td>12/16/2011</td> </tr> <tr> <td>Shinya SASAKI</td> <td>12/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Riu HIRAI	12/16/2011	Nobuhiko KIKUCHI	12/18/2011	Tetsuya UDA	12/16/2011	Shinya SASAKI	12/20/2011
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Nobuhiko KIKUCHI	12/18/2011										
Tetsuya UDA	12/16/2011										
Shinya SASAKI	12/20/2011										
RECEIVING PARTY DATA											
Name:	Hitachi, Ltd.										
Street Address:	6-6, Marunouchi 1-chome										
City:	Chiyoda-ku, 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>13363883</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13363883						
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Application Number:	13363883										
CORRESPONDENCE DATA											
Fax Number:	(703)684-1157										
Phone:	703-684-1120										
Email:	lmaxwell@mmpiaw.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Mattingly & Malur, P.C.										
Address Line 1:	1800 Diagonal Rd.										
Address Line 2:	Suite 370										
Address Line 4:	Alexandria, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	H-8211										
NAME OF SUBMITTER:	John R. Mattingly										
Total Attachments: 1 source=H-8211-Assign#page1.tif											

CH \$40.00 13363883

**ASSIGNMENT**  
( 譲 渡 証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd.,  
a corporation organized under the laws of Japan,  
located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan,  
receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd.,  
its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

**OPTICAL COMMUNICATION MODULE AND OPTICAL FIBER COMMUNICATION SYSTEM**

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,  
to be held and enjoyed by said Hitachi, Ltd.,  
its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>      Rui Hirai      </u>	<u>      12/16/2011      </u>
2) <u>      Nobuhiko Kikuchi      </u>	<u>      12/18/2011      </u>
3) <u>      Tetsuya Ueda      </u>	<u>      12/16/2011      </u>
4) <u>      [Signature]      </u>	<u>      12/20/2011      </u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____