

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Wei ZHANG</td> <td>05/29/2012</td> </tr> <tr> <td>Masashi KAWAMATA</td> <td>05/29/2012</td> </tr> <tr> <td>Tatsushi YAMAGUCHI</td> <td>06/07/2012</td> </tr> <tr> <td>Daigorou SHIOZAWA</td> <td>06/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wei ZHANG	05/29/2012	Masashi KAWAMATA	05/29/2012	Tatsushi YAMAGUCHI	06/07/2012	Daigorou SHIOZAWA	06/07/2012
Name	Execution Date										
Wei ZHANG	05/29/2012										
Masashi KAWAMATA	05/29/2012										
Tatsushi YAMAGUCHI	06/07/2012										
Daigorou SHIOZAWA	06/07/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>HITACHI, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>6-6, Marunouchi 1-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	HITACHI, LTD.	Street Address:	6-6, Marunouchi 1-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN		
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>13634699</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13634699						
Property Type	Number										
Application Number:	13634699										
CORRESPONDENCE DATA											
<p>Fax Number: 2026288844  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2026242500        Email: Galemousavi@crowell.com        Correspondent Name: Crowell &amp; Moring LLP        Address Line 1: P.O. Box 14300        Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300</p>											
ATTORNEY DOCKET NUMBER:	056207.64897US										
NAME OF SUBMITTER:	Michael H. Jacobs										
<p>Total Attachments: 1        source=64897US_Assignment#page1.tif</p>											

OP \$40.00 13634699

# 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 or us citizen(s) of Japan and China 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

INSULATING SPACER WITH BUILT-IN OPTICAL FIBER

invented by me or us 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 signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Wei ZHANG <u>Wei Zhang</u>	<u>5/29/2012</u>
2) Masashi KAWAMATA <u>Masashi Kawamata</u>	<u>5/29/2012</u>
3) Tatsushi YAMAGUCHI <u>Tatsushi Yamaguchi</u>	<u>6/7/2012</u>
4) Daigorou SHIOZAWA <u>Daigorou Shiozawa</u>	<u>6/7/2012</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____