

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>Yoshiaki ISHIGAMI</td> <td>12/12/2012</td> </tr> <tr> <td>Kinya YAMAZAKI</td> <td>12/12/2012</td> </tr> <tr> <td>Yoshinori SUNAGA</td> <td>12/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiaki ISHIGAMI	12/12/2012	Kinya YAMAZAKI	12/12/2012	Yoshinori SUNAGA	12/12/2012
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Yoshiaki ISHIGAMI	12/12/2012								
Kinya YAMAZAKI	12/12/2012								
Yoshinori SUNAGA	12/12/2012								
RECEIVING PARTY DATA									
Name:	Hitachi Cable, Ltd.								
Street Address:	14-1 Sotokanda 4-chome, Chiyoda-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>13722062</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13722062				
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Application Number:	13722062								
CORRESPONDENCE DATA									
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Paul J. Esatto, Jr.								
This document serves as an Oath/Declaration (37 CFR 1.63).									
Total Attachments: 2 source=29587_DeclarationandAssignment#page1.tif source=29587_DeclarationandAssignment#page2.tif									

CH \$40.00 13722062

Attorney Docket: PHCF-12077US

**COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN
APPLICATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that:

This declaration the attached application, or
is directed to:

United States application or PCT international application number
_____ filed on _____; and
entitled: OPTICAL MODULE

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, Hitachi Cable, Ltd. a corporation of Japan, having a place of business at 14-1 Sotokanda 4-chome, Chiyoda-ku, Tokyo, Japan, desires to acquire, and each undersigned inventor desires to grant to Hitachi Cable, Ltd., the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells, assigns and transfers to Hitachi Cable, Ltd. (the "ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with

this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, the corporation above named, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of sole or first inventor Yoshiaki ISHIGAMI	
Sole or first inventor's signature <i>Yoshiaki Ishigami</i>	Date December 12, 2012

Legal name of second inventor Kinya YAMAZAKI	
Second inventor's signature <i>Kinya Yamazaki</i>	Date December 12, 2012

Legal name of third inventor Yoshinori SUNAGA	
Third inventor's signature <i>Y. Sunaga</i>	Date December 12, 2012

Legal name of fourth inventor	
Fourth inventor's signature	Date