

PATENT ASSIGNMENT

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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>Hiroki YASUDA</td> <td>11/22/2011</td> </tr> <tr> <td>Kouki HIRANO</td> <td>11/23/2011</td> </tr> <tr> <td>Yoshinori SUNAGA</td> <td>11/23/2011</td> </tr> <tr> <td>Juhyun YU</td> <td>11/24/2011</td> </tr> <tr> <td>Masataka SATOU</td> <td>11/23/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hiroki YASUDA	11/22/2011	Kouki HIRANO	11/23/2011	Yoshinori SUNAGA	11/23/2011	Juhyun YU	11/24/2011	Masataka SATOU	11/23/2011
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<table border="1"> <tr> <td>Name:</td> <td>HITACHI CABLE, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>14-1, Sotokanda 4-chome, Chiyoda-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>101-8971</td> </tr> </table>		Name:	HITACHI CABLE, LTD.	Street Address:	14-1, Sotokanda 4-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	101-8971		
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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>13354673</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13354673								
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Application Number:	13354673												
CORRESPONDENCE DATA													
<p> Fax Number: (212)319-5101 Phone: 2123194900 Email: VILLANI@HHPATENT.COM <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> </p> <p> Correspondent Name: HOLTZ, HOLTZ, GOODMAN & CHICK PC Address Line 1: 220 Fifth Avenue Address Line 2: 16TH Floor Address Line 4: NEW YORK, NEW YORK 10001-7708 </p>													
ATTORNEY DOCKET NUMBER:	11555/LH												
NAME OF SUBMITTER:	Barbara Villani												
<p>Total Attachments: 2</p> <p>source=11555assi#page1.tif</p> <p>source=11555assi#page2.tif</p>													

OP \$40.00 13354673

ASSIGNMENT

In consideration of value received, I, having a post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled:

PHOTOELECTRIC CONVERSION MODULE AND METHOD OF MANUFACTURING PHOTOELECTRIC CONVERSION MODULE

sell and assign to HITACHI CABLE, LTD.

a corporation of Japan

having a business address at 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith and/or identified below;

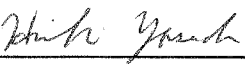
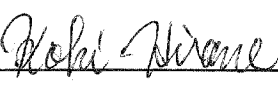
and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Application Number and filing date of said application when known.

APPLICATION NO.:

FILING DATE:

Holtz, Holtz, Goodman & Chick PC
220 Fifth Avenue, 16th Floor, New York, NY 10001-7708
Tel. (212) 319-4900 Fax. (212) 319-5101

Sign: 	Date: November 22, 2011	Post Office Address: C/o HITACHI CABLE, LTD. 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan
Type: Hiroki YASUDA	Witness:	
Sign: 	Date: November 23, 2011	Post Office Address: C/o HITACHI CABLE, LTD. 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan
Type: Kouki HIRANO	Witness:	
<p>MUST BE DATED. WITNESS DESIRABLE. LEGALIZATION NOT REQUIRED.</p>		

ASSIGNMENT (PAGE 2)

ADDITIONAL INVENTORS

Sign: <i>Y. Sunaga</i>	Date: <i>November 23, 2011</i>	Post Office Address: C/o HITACHI CABLE, LTD. 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan
Type: Yoshinori SUNAGA	Witness:	
Sign: <i>Juhyun Yu.</i>	Date: <i>November 24, 2011</i>	Post Office Address: C/o HITACHI CABLE, LTD. 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan
Type: Juhyun YU	Witness:	
Sign: <i>Masataka Sato</i>	Date: <i>November 23, 2011</i>	Post Office Address: C/o HITACHI CABLE, LTD. 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, 101-8971 Japan
Type: Masataka SATOU	Witness:	
Sign:	Date:	Post Office Address:
Type:	Witness:	
Sign:	Date:	Post Office Address:
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