

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOMOKO HIGASHIUCHI	12/15/2014
NOBUAKI TAKANE	01/15/2015
MASASHI YAMAURA	12/16/2014
MAKI INADA	01/16/2015
HIROSHI YOKOTA	01/20/2015
RECEIVING PARTY DATA	
Name:	HITACHI CHEMICAL COMPANY, LTD.
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State/Country:	JAPAN
Postal Code:	100-6606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14405933
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NAME OF SUBMITTER:	WILLIAM I. SOLOMON
SIGNATURE:	/William I. Solomon/
DATE SIGNED:	02/25/2015

Total Attachments: 2

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ASSIGNMENT

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Tomoko HIGASHIUCHI	c/o HITACHI CHEMICAL COMPANY, LTD., 48, Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan
2) Nobuaki TAKANE	c/o HITACHI CHEMICAL COMPANY, LTD., 48, Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan
3) Masashi YAMAURA	c/o HITACHI CHEMICAL COMPANY, LTD., 48, Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan
4) Maki INADA	c/o HITACHI CHEMICAL COMPANY, LTD., 48, Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan
5) Hiroshi YOKOTA	c/o HITACHI CHEMICAL COMPANY, LTD., 1919, Morisoejima, Chikusai-shi, Ibaraki 308-0861 Japan

hereinafter called assignor(s), have invented certain improvements in
OPTICAL SEMICONDUCTOR DEVICE PRODUCTION METHOD AND OPTICAL SEMICONDUCTOR DEVICE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on December 5, 2014, Serial No. 14/405933; and

Whereas
 HITACHI CHEMICAL COMPANY, LTD.
 9-2, Marunouchi 1-chome,
 Chiyoda-ku, Tokyo 100-6606 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor,

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORS

DATE SIGNED

1) :	<u>Tomoko Higashiuchi</u>	<u>Dec. 15, 2014</u>
Name :	Tomoko HIGASHIUCHI	
2) :	<u>Nobuaki Takane</u>	<u>Jan. 15, 2015</u>
Name :	Nobuaki TAKANE	
3) :	<u>Masashi Yamaura</u>	<u>Dec 16, 2014</u>
Name :	Masashi YAMAURA	

4) : Maki Inada Jan. 16. 2014⁵ ^{Jan. 16. 2015} M.I.
Name : Maki INADA

5) : Hiroshi Yokota Jan. 20, 2015
Name : Hiroshi YOKOTA