#### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Yukihiro TSUJI	08/23/2011

### **RECEIVING PARTY DATA**

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13223586

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ATTORNEY DOCKET NUMBER: 033035 M 362

NAME OF SUBMITTER:

Ayisha M. Roberts

Total Attachments: 2

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PATENT REEL: 026844 FRAME: 0946 OF \$40.00 13223586

SGR/BDWY Form ASN-1 Inventor(s)-to-Assignee

## **ASSIGNMENT**

This assig METHOD FOR OPTICAL DEVI	R ETCHIN	agreement is app NG INSULATING FI	plicable to an ILM AND METH	invention entit OD FOR MANUF	tled (Invention T FACTURING SEMI	itle) CONDUCTOR
The Pa (check one)	[X] a post cor [] U.S [] a U No.	RIGHTS referredatent application occurrently with the control occurrently occ	n for this inver nis assignmen tion Serial No cation based ed on (date)	ntion, executed nt. o, fil- on PCT Interna (U.	ed on ational Applicati .S. patent applic	ion cation Serial
The PATE patents and p	NT RIG	HTS also includ	le all divisions ified above.	s, reissues, cor	ntinuations and	extensions of the
	[x] U.S [] Wo the	HTS assigned us. patent rights or rights or rights of the fill benefit of the fill ention.	only. ights. In this	case, the assig	gnee shall have ign patent applic	the right to claim cation for this
The ASSI0 appear on pa	GNOR(S ge 2 of t	6) referred to in this Assignment	this agreemer and any Sup	nt is (or are) th plemental She	e inventor(s) wl	nose signatures
(Name of Ass	ignee)	ferred to in this a SUMITOMO E 5-33, Kitaham	LECTRIC IND	<u>DUSTRIES, LT</u>		1-0041, Japan
The ASSIGNI (check one)	[] An Ir [] A Pa	rtnership orporation of	Japan		(specify sta	te or country)
valuable cons the ASSIGNE the full and the entire r the right to the right to	sideration E, its su d exclusi right, title sue and claim p	s), in consideration, receipt of whice sors and assive right to the ire and interest in directover for any riority under 35 on any earlier pages.	ch is acknowl ssigns: nvention; and to the P y past infringe USC 119, 35	edged, hereby ATENT RIGHT ement; and, USC 120, or a	vassign(s) the firs;  any other applic	ollowing rights to

PATENT REEL: 026844 FRAME: 0947

# THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO

ASSIGNEE: SUMITOMO ELECTRIC INDUSTRIES, LTD.

INVENTION TITLE: METHOD FOR ETCHING INSULATING FILM AND METHOD FOR MANUFACTURING SEMICONDUCTOR OPTICAL DEVICE

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Yukihiro TSUJIMukihiro TSUJIAugust 23, 2011Name of sole or first inventorSignatureDate

PATENT REEL: 026844 FRAME: 0948

**RECORDED: 09/01/2011**