PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2862175

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOKYO ELECTRON LIMITED	04/24/2014

RECEIVING PARTY DATA

Name:	JSR CORPORATION	
Street Address:	1-9-2, HIGASHI-SHINBASHI, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	7267551
Patent Number:	7701234
Patent Number:	7719296
Patent Number:	7679385

CORRESPONDENCE DATA

Fax Number: (202)293-7860

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-293-7060

Email: sughrue@sughrue.com, rthomas@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

Address Line 1: 2100 PENNSYLVANIA AVE. NW

Address Line 2: SUITE 800

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ATTORNEY DOCKET NUMBER:	013614	
NAME OF SUBMITTER:	RACHEL THOMAS; TEAMS DEPARTMENT	
SIGNATURE:	/rachelthomas/	
DATE SIGNED:	05/20/2014	

Total Attachments: 1

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PATENT 502815581 REEL: 032928 FRAME: 0745

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Assignment

Whereas, Tokyo Electron Limited of 3-1, Akasaka 5-chome, Minato-ku Tokyo, JAPAN, hereinafter referred to as "Assignor", and JSR Corporation, of 1-9-2, Higashi-Shinbashi, Minato-ku, Tokyo, hereinafter referred to as "Assignee" are both co-owners of the entire right, title and interest in United States Patents No. 7267551, 7701234, 7719296 and 7679385.

Whereas, the above named Assignee, desires to acquire the entire co-ownership right, title, and interest of the Assignor in the said US Patents, so that the Assignee becomes the owner of the entire right, title and interest of the said US Patents.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, the above named Assignor hereby sells, assigns and transfers to the above named Assignee, its successors and assigns, its entire right, title and interest in the said US Patents and Published Application, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement, with the right of Assignee to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Tokyo Electron Limited

Date: April 24, 2018

Tetsuro Hori

By: Johns Iton.

Title: VP & General Manager, Legal/IP Dept.

PATENT REEL: 032928 FRAME: 0746

RECORDED: 05/20/2014