

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4430616

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT		
<b>EFFECTIVE DATE:</b>	12/30/2016		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
THIN MATERIALS GMBH			04/17/2017
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	NISSAN CHEMICAL INDUSTRIES, LTD.		
<b>Street Address:</b>	7-1, KANDA-NISHIKI-CHO 3 CHOME, CHIYODA-KU		
<b>City:</b>	TOKYO		
<b>State/Country:</b>	JAPAN		
<b>Postal Code:</b>	101-0054		
<b>PROPERTY NUMBERS Total: 5</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Patent Number:</b>	8641859		
<b>Patent Number:</b>	8951886		
<b>Patent Number:</b>	8911583		
<b>Patent Number:</b>	7482249		
<b>Patent Number:</b>	8173522		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(561)962-2101		
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<b>Correspondent Name:</b>	DUANE MORRIS LLP		
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<b>Address Line 4:</b>	BOCA RATON, FLORIDA 33486		
<b>ATTORNEY DOCKET NUMBER:</b>	F6104-19801		
<b>NAME OF SUBMITTER:</b>	GREGORY M. LEFKOWITZ		
<b>SIGNATURE:</b>	/GREGORY M. LEFKOWITZ/		
<b>DATE SIGNED:</b>	05/25/2017		

**Total Attachments: 3**

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**PATENT**

**REEL: 042505 FRAME: 0275**

## **CONFIRMATORY ASSIGNMENT**

This Assignment is made by and between **Thin Materials GmbH**, having an address at Elsterstrasse 23, Eichnau, Germany 82223 (hereinafter “ASSIGNOR”) and **Nissan Chemical Industries, Ltd.**, having an address at 7-1, Kanda-Nishiki-cho 3 chome, Chiyoda-ku, Tokyo 101-0054 Japan (hereinafter “ASSIGNEE”).

WHEREAS, pursuant to DECLARATION OF ASSIGNMENT, executed on DECEMBER 30, 2016 (hereinafter “AGREEMENT”), the ASSIGNOR transfers all of its right, title and interest in and to the Patents as set forth below to the ASSIGNEE:

- U.S. Patent No. 8,641,859, entitled “BONDING METHOD,” which issued February 4, 2014;
- U.S. Patent No. 8,951,886, entitled “METHOD FOR SEPARATING A LAYER SYSTEM COMPRISING A WAFER BY PRECISELY MAINTAINING THE POSITION OF THE SEPARATING FRONT,” which issued February 10, 2015; and
- U.S. Patent No. 8,911,583, entitled “METHOD FOR PROCESSING, IN PARTICULAR, THIN REAR SIDES OF A WAFER, WAFER-CARRIER ARRANGEMENT AND METHOD FOR PRODUCING SAID TYPE OF WAFER-CARRIER ARRANGEMENT,” which issued December 16, 2014 (hereinafter, the “Patents”).
- U.S. Patent No. 7,482,249, entitled “METHOD AND DEVICE FOR MACHINING A WAFER, IN ADDITION TO A WAFER COMPRISING A SEPARATION LAYER AND A SUPPORT LAYER,” which issued January 27, 2009; and
- U.S. Patent No. 8,173,522, entitled “METHOD AND DEVICE FOR MACHINING A WAFER, IN ADDITION TO A WAFER COMPRISING A SEPARATION LAYER AND A SUPPORT LAYER,” which issued May 8, 2012 (hereinafter, the “Patents”).

WHEREAS, this CONFIRMATORY ASSIGNMENT is effective *nunc pro tunc* as of DECEMBER 30, 2016;

WHEREAS, the ASSIGNOR and the ASSIGNEE have entered into the Agreement pursuant to which ASSIGNOR has agreed to sell to the ASSIGNEE, and the ASSIGNEE has agreed to purchase from the ASSIGNOR, certain assets, including the Patents; and

NOW, THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, its successors, assigns and legal representatives, its entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said Patents including said United States patent application(s), any other United States patent application(s), including provisional, divisional, renewal, substitute, continuation, continuation-in-part, reexamination and reissue applications, and extensions thereof based in whole or in part on said United States patent applications or in whole or in part on said Patents, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said Patents, in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said Patents or any part(s) thereof, and in and to any right to claim priority to any of the aforesaid patents and/or patent applications;

AND this Assignment also includes, without limitation, any claims whether known or unknown, and whether suspected or unsuspected, of any nature that ASSIGNOR has or may have against any party for infringement of any of the patents references herein and the right to sue for past, present, and future infringement and to recover and retain damages and profits in respect thereof, as well as, to obtain temporary, preliminary, and permanent injunctions and any or all other relief available under the Patents;

AND ASSIGNOR hereby authorizes and requests, Duane Morris LLP, whose address is 5100 Town Center Circle, Suite 650, Boca Raton, Florida 33486 to insert hereon any identification necessary or desirable for recordation of this document.

AND ASSIGNOR hereby agrees for itself and its successors to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said Patents or any part(s) thereof, and in and to said several patents or any of them;

AND ASSIGNOR hereby covenants for itself, and agrees with said ASSIGNEE, their successors and assigns, that it has granted no right or license to make, use, sell or offer to sell said Patents, to anyone except said ASSIGNEE, that prior to the execution of this deed, its right, title and interest in said Patents had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND ASSIGNOR hereby authorizes and requests the United States Commissioner for Patents to issue any and all letters patent which may be granted upon said United States applications, or upon said Patents or any part(s) thereof when granted, to said ASSIGNEE;

IN WITNESS WHEREOF, we have hereunto set my hand and seal.

**THIN MATERIALS GMBH**

Date April 17, 2017

By: K. Fukuro

Name: Hiroyoshi Fukuro

Title: Managing Director

**NISSAN CHEMICAL INDUSTRIES, LTD.**

Date April 4, 2017

By: Takuya Kakuta

Name: Takuya Kakuta

Senior Managing Associate Executive Officer

Title: Head of Intellectual Property Department