503685411 02/10/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCIOCS COMPANY LIMITED	01/20/2016

RECEIVING PARTY DATA

Name:	SUMITOMO CHEMICAL COMPANY, LIMITED	
Street Address:	27-1, SHINKAWA 2-CHOME, CHUO-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	104-8260	

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	13567157
Application Number:	13722457
Application Number:	13960460
Application Number:	14054922
Application Number:	14068067
Application Number:	14481123

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	THOMAS W. COLE
SIGNATURE:	/Thomas W. Cole/
DATE SIGNED:	02/10/2016

PATENT 503685411 REEL: 037695 FRAME: 0254

Total Attachments: 1

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PATENT REEL: 037695 FRAME: 0255

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, **SCIOCS COMPANY LIMITED** located at 880 Isagozawa-cho, Hitachi-shi, Ibaraki-ken, 319-1418 JAPAN (the Assignor) as owner of record of the rights in the inventions

for MANUFACTURING METHOD OF PIEZOELECTRIC FILM ELEMENT, PIEZOELECTRIC FILM ELEMENT AND PIEZOELECTRIC DEVICE in US Patent Application No. 13/567,157 now U.S. Patent No. 9166142 issued on October 20, 2015;

for NITRIDE SEMICONDUCTOR EPITAXIAL WAFER AND FIELD EFFECT NITRIDE TRANSISTOR in US Patent Application No. 13/722, 457 filed on December 20, 2012;

for PIEZOELECTRIC ELEMENT, PIEZOELECTRIC DEVICE AND METHOD OF MANUFACTURING PIEZOELECTRIC ELEMENT in US Patent Application No. 13/960,460 filed on August 6, 2013;

for EQUIPMENT AND METHOD FOR PRODUCING CRYSTAL BY VERTICAL BOAT METHOD in US Patent Application No. 14/054,922 filed on October 16, 2013;

for NITRIDE SEMICONDUTOR DEVICE in US Patent Application No. 14/068,067 filed on October 31, 2013;

for HIGH VOLTAGE GALLIUM NITRIDE BASED SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD OF THE SAME IN US Patent Application No. 14/481,123 filed on September 9, 2014, now US Patent No. 9184244 issued on November 10, 2015;

do hereby sell and assign to **SUMITOMO CHEMICAL COMPANY**, **LIMITED**, located at 27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104-8260, JAPAN (the "Assignee"), its successors and assigns, the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all United States Letters Patents which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by **SUMITOMO CHEMICAL COMPANY**, **LIMITED** and we hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patents to said assignee, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patents may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

By this assignment, we, SCIOCS COMPANY LIMITED also do hereby sell, assign, transfer and set over unto said SUMITOMO CHEMICAL COMPANY, LIMITED, its legal representatives, successors and assigns, the entire right, title and interest in enforcing and asserting against any third parties, and recovering damages for past and future infringement of any patent rights related to said inventions, and in and to any and all improvements and/or modifications to the inventions; and agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee

The parties have executed this Agreement, effective as of 20 JAN 2016

SCIOCS COMPANY LIMITED

Date: Jan 20, 2016

By: M. Kohn asln

Name: Masahiko KOBAYASHI

Title: President

SUMITOMO CHEMICAL COMPANY, LIMITED

Date: Jour Solo
By: Pare: Toshihisa Deguohi

Title: Director & Senior Managing Executive Officer

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PATENT REEL: 037695 FRAME: 0256

RECORDED: 02/10/2016