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	08/18/2020	

RECEIVING PARTY DATA

Name:	SUMITOMO CHEMICAL COMPANY, LIMITED		
Street Address:	27-1, SHINKAWA 2-CHOME, CHUO-KU		
City:	TOKYO		
State/Country:	JAPAN		
Postal Code:	1048260		

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	10702776
Application Number:	10765502
Application Number:	11785036
Application Number:	11878125
Application Number:	12042964
Application Number:	12748515

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MARK J. THRONSON
SIGNATURE:	/Mark J. Thronson/
DATE SIGNED:	08/18/2020

Total Attachments: 2

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source=Executed assignment#page2.tif

PATENT REEL: 053526 FRAME: 0022

PATENT ASSIGNMENT

WHEREAS, SCIOCS COMPANY LIMITED ("Assignor"), having a place of business at 880, Isagozawa-cho, Hitachi-shi, Ibaraki 319-1418, Japan, is the owner, by assignment, of certain rights, title and interest in and to the United States patents and patent applications listed in Schedule A attached hereto; and

WHEREAS, SUMITOMO CHEMICAL COMPANY, LIMITED ("Assignee"), having a place of business at 27-1, Shinkawa 2-Chome, Chuo-ku, Tokyo 1048260, Japan, is desirous of acquiring a portion, but only a portion, of the Assignor's rights, title and interest in and to the United States patents and patent applications listed in said Schedule A.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, one percent (1%) of Assignor's rights, title and interest in and to each of the patents and patent applications listed in said Schedule A, such that Assignor and Assignee are joint owners of each of the patents and patent applications listed in said Schedule A, in each case with an ownership ratio of 99:1 (Assignor:Assignee), the same to be held and enjoyed by Assignee, for its own use and benefit, and for the use and benefit of its respective successors, legal representatives and assigns, to the full end of the term or terms of the patents, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be signed by its duly authorized representative, and Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the Patent and Trademark Office for recordation of this document: Blank Rome LLP; all practitioners at Customer No. 24998.

SCIOCS COMPANY LIMITED

By: Toshiya SAITO

Date: Aug. 18th, 2020

Title: President

158762.00101/123032462v.1

$\underline{\textbf{SCHEDULE}\ \textbf{A}}$

Application Number	Filing Date	Inventor	Title	Ctry	Patent No.
10/702,776	11/07/2003	Hirokazu Iwata	GROUP III NITRIDE CRYSTAL, CRYSTAL GROWTH PROCESS AND CRYSTAL GROWTH APPARATUS OF GROUP III NITRIDE	US	7,220,311
10/765,502	01/28/2004	Hirokazu Iwata	METHODS OF GROWING A GROUP III NITRIDE CRYSTAL	US	7,261,775
11/785,036	04/13/2007	Hirokazu Iwata	GROUP III NITRIDE CRYSTAL, CRYSTAL GROWTH PROCESS AND CRYSTAL GROWTH APPARATUS OF GROUP III NITRIDE	US	7,981,213
11/878,125	07/20/2007	Hirokazu Iwata	METHODS OF GROWING A GROUP III NITRIDE CRYSTAL	US	7,828,896
12/042,964	03/05/2008	Seiji Sarayama	CRYSTAL MANUFACTURING APPARATUS	US	7,718,002
12/748,515	03/29/2010	Seiji Sarayama	CRYSTAL MANUFACTURING APPARATUS	US	9,222,199

158762.00101/123032462v.I

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PATENT REEL: 053526 FRAME: 0024