PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3984946

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTION DATE FOR THE FIRST ASSIGNOR previously recorded on Reel 038463 Frame 0840. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
YUSUKE MATSUDA	08/05/2015
KATSUMI OKAMURA	08/05/2015
TSUTOMU HIRANO	08/05/2015
TOMOHIRO FUKAYA	08/06/2015

RECEIVING PARTY DATA

Name:	SUMITOMO ELECTRIC HARDMETAL CORP.	
Street Address:	1-1, KOYAKITA 1-CHOME	
City:	ITAMI-SHI, HYOGO	
State/Country:	JAPAN	
Postal Code:	664-0016	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14779400

CORRESPONDENCE DATA

Fax Number: (202)344-8300

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.

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ATTORNEY DOCKET NUMBER:	40616-390796
NAME OF SUBMITTER:	MICHAEL A. SARTORI, PH.D.
SIGNATURE:	/MICHAEL A. SARTORI, PH.D./
DATE SIGNED:	07/29/2016

Total Attachments: 7

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PATENT REEL: 039514 FRAME: 0475

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3836238

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TO REMOVE APPLICATION NO 11/111,111 previously recorded on Reel 036634 Frame 0666. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
YUSUKE MATSUDA	08/08/2015 <u>08/05/2015</u>
KATSUMI OKAMURA	08/05/2015
TSUTOMU HIRANO	08/05/2015
TOMOHIRO FUKAYA	08/06/2015

RECEIVING PARTY DATA

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State/Country:	JAPAN
Postal Code:	664-0016

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14779400

CORRESPONDENCE DATA

Fax Number: (202)344-8300

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ATTORNEY DOCKET NUMBER:	40616-390796
NAME OF SUBMITTER:	TODD R. FARNSWORTH
SIGNATURE:	/Todd R. Farnsworth/
DATE SIGNED:	04/19/2016

Total Attachments: 7

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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by <u>Yusuke MATSUDA</u>, <u>Katsumi OKAMURA</u>, <u>Tsutomu HIRANO</u>, and <u>Tomohiro FUKAYA</u> (hereinafter referred to as Assignor), residing at c/o Sumitomo Electric Hardmetal Corp., 1-1, Koyakita 1-chome, Itami-shi, Hyogo, JAPAN;

WHEREAS, Assignor has invented certain new and useful improvements in METHOD FOR MANUFACTURING CUBIC BORON NITRIDE SINTERED BODY, AND CUBIC BORON NITRIDE SINTERED BODY, set forth in a patent application for Letters Patent of the United States,

x executed concurrently	herewith;			
[filed on	as U.S. Patent Ap	pplication No	······	; and

WHEREAS, <u>SUMITOMO ELECTRIC HARDMETAL CORP.</u>, having its principal place of business at <u>1-1</u>, <u>Koyakita 1-chome</u>, <u>Itami-shi</u>, <u>Hyogo</u>, <u>JAPAN</u> (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

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, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent

Attorney Docket No.

may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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 United States Patent and Trademark Office for recordation of this document:

2

Attorney Docket No.

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Executed on:	August 5 , 2013
	Date
Assignor:	V - L M To Jo
Yusuke MATSUDA	Yusufe Matsuda
Assignor Name	Signature
Witness:	
Witness Name	Signature
Witness Address	
Executed on:	August 5, 2015 Date
Assignor: Katsumi OKAMURA	Katsumi Okamura
Assignor Name	Signature
Witness:	
Witness Name	Signature
	minimi.

Witness Address	

DC2-545873

Attorney Docket No.

August 5, 2015
Date
T. 3
Trutomu HIRANO
Signature
Signature
0 max 1
Tomohiro Frekaza
Signature
Signature

DC2-545673

Attorney Docket No. _____PATENT

Venable LLP