502781901 04/24/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUJI TOMODA	04/07/2014
YASUYUKI KANADA	04/09/2014
KUNISHIGE TANAKA	04/07/2014

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City:	ITAMI-SHI, HYOGO
State/Country:	JAPAN
Postal Code:	664-0016

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	29488921			

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ATTORNEY DOCKET NUMBER:	92396-364290
NAME OF SUBMITTER:	MICHAEL A. SARTORI, PH.D.
SIGNATURE:	/MICHAEL A. SARTORI, PH.D./
DATE SIGNED:	04/24/2014

Total Attachments: 2

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> **PATENT REEL: 032751 FRAME: 0322**

502781901

ATTORNEY DO	CKET NO.
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UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

		Application No.				Filed		
Insert Name(s) of Inventor(s)	-	WHEREAS,	Yuji TOMODA,	Yasuyuki	KANADA	and K	unishige	TANAKA
Insert Title of Invention	***		ted as the undersigned			new and	useful improve	ements in
Insert Date of Signing of			ation for Letters Pat in the case of a provi			of Americ	a has been e	xecuted by the
Application Insert Name of Assignee	→	on April 7, 2014 ; and WHEREAS, SUMITOMO ELECTRIC HARDMETAL CORP.						
Insert Address of Assignee	-	of 1-1, Koy	akita 1-chome	, Itami-s	hi, Hyo	go 664	-0016 Ja <u>r</u>	pan
CHECK BOX IF APPROPRIATE	•	NOW, THER hand paid, the recthe undersigned hand transfer unto of America, its territo any and all Letters.	ors, legal representating the entire right, that may be granted foreign countries. EFORE, in considerate in the selection of which is here in the selection of	title and inter therefor in the ation of the sur by acknowledged and trans Il and exclusive is and possessi may be grante	est in and a United Storm of Ten Deged, and other end and a right to the constant of the const	to said i ates of A ollars (\$1 ner good by these e said inv e entire r in the U	nvention and america and (0.00) to the and valuable presents do vention in the light, title and nited States of	undersigned in consideration, bes sell, assign United States interest in and of America, its
		and to any and all term or terms for	divisions, reissues, which the same may	continuations, be granted.	conversion	s and ex	tensions ther	eof for the full

PATENT REEL: 032751 FRAME: 0323 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Venable LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date	April 7, 2014	Name of Inventor_	Yuji	TOMODA	
(2) Date	April 9,2014.	Name of Inventor_	Yuji TOM Yasuyuki	nzuiler	kenel
(3) Date	Aptil 7,2014.			ige TANA Je TANAKA	KA
(4) Date		Name of Inventor_			•
(5) Date		Name of Inventor_			
(6) Date		Name of Inventor_		·	
(7) Date		Name of Inventor_			