PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3218570

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JUNYA OKIDA	01/12/2015
KAZUYA ISHIKAWA	01/14/2015
SHIGENORI EMOTO	01/12/2015
DAISUKE MURAKAMI	01/12/2015
SHINYA IKENAGA	01/12/2015
KAZUO NOGUCHI	01/12/2015
SUEHIRO IKEDA	01/12/2015
TAKAYUKI HIROKAWA	01/16/2015
YOSHIO OHARA	01/16/2015
MORIHIRO HIDETA	01/21/2015
YOHEI ODA	01/22/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

PATENT REEL: 034922 FRAME: 0178

503171955

Property Type	Number
Application Number:	14420583

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ATTORNEY DOCKET NUMBER:	92396-378094
NAME OF SUBMITTER:	MICHAEL A. SARTORI, PH.D.
SIGNATURE:	/MICHAEL A. SARTORI, PH.D./
DATE SIGNED:	02/09/2015

Total Attachments: 4

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> PATENT REEL: 034922 FRAME: 0179

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

		Application No. Filed			
Insert Name(s) of Inventor(s)	555	WHEREAS, Junya OKIDA, Kazuya ISHIKAWA, Shigenori EMOTO,			
		Daisuke MURAKAMI, Shinya IKENAGA, Kazuo NOGUCHI, Suehiro IKEDA,			
		Takayuki HIROKAWA, Yoshio OHARA, Morihiro HIDETA, and Yohei ODA			
		(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in			
Insert Title of Invention		Lathe Turning Tool			
		for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).			
Insert Date of Signing of Application	103	January 12, 2015, January 14, 2015, January 16, 2015 January 21, 2015, and January 22,2015 on: and			
Insert Name of Assignee	mes)-	WHEREAS, (1) SUMITOMO ELECTRIC HARDMETAL CORP.			
or Assignee		(2) SUMITOMO ELECTRIC INDUSTRIES, LTD.			
		(3) DMG MORI SEIKI CO., LTD.			
Insert Address of Assignee		of _(1) 1-1, Koyakita 1-chome, Itami-shi, Hyogo 664-0016 Japan			
or Assigned		(2) 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan			
		(3) 106, Kitakoriyama-cho, Yamatokoriyama-shi, Nara 639-1160, Japan			
CHECK BOX IF APPROPRIATE	₩	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any and all foreign countries.			
		NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration,			

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

PATENT REEL: 034922 FRAME: 0180 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 <u>Janua</u>	ry 12, 2015.	Name of Inventor_	Junya OKIDA
	/		Junya OKIDA
(2) Date Janua	ry 14, 2015.	Name of Inventor_	Kazuva ISHIKAWA
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	/		Daisuke MURAKAMI
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(7) Date <u> </u>	cy 12:30/5.	Name of Inventor_	Suchri Mada,
/			Suehiro IKEDA

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(8) Date	January 16, 2015	Name of Inventor_	Jakayuki Hirokawa	skawa
(9) Date	January. 16.2015.		Yoshio Chara Yoshio OHARA	/
(10) Date		, Name of Inventor	Morihiro HIDETA	
			Yohei ODA	
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(18) Date		, Name of Invento		
(19) Date		, Name of Invento		
(20) Date		, Name of Invento		
(21) Date	- VANDA ALAMA	, Name of Invento		
(22) Date		, Name of Invento		
(23) Date		, Name of Invento		
(24) Date		, Name of Invento		
			•	

(8) Date	1	Name of Inventor	
		-	Takayuki HIROKAWA
(9) Date		Name of Investor	•
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4	T- 21/21/2	·	
(10) Date _	January, 21, 295,	Name of Inventor	- Morihiro Hideta
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(11) Date <u></u>	January 22,2015.	Name of Inventor	Yohei ODA
			Yohei ODA
(12) Date		Al. er	
(12) Dato	,	Name of inventor	
(13) Date	,	Name of Inventor	
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(10) Date		Name of inventor	
(16) Date		Name of Inventor	
(17) Date	7	Name of Inventor	
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(18) Date		Name of the section	
(10) 5400	1	ivame or inventor	
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(20) Date	,	Name of Inventor	
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