PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takuya ISHIDA	05/08/2008

RECEIVING PARTY DATA

Name:	Kyocera Corporation		
Street Address:	6, Takeda Tobadono-cho, Fushimi-ku		
City:	Kyoto-shi, Kyoto		
State/Country:	JAPAN		
Postal Code:	612-8501		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12091906

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NAME OF SUBMITTER: Lawrence J. McClure

Total Attachments: 2

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PATENT REEL: 022221 FRAME: 0245 Form PTO-1595 1-3-92

RECORDATION FORM COVER LETTER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

Attorney Docket No.: 81716.0180 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Takuya ISHIDA KYOCERA CORPORATION 6, Takeda Tobadono-cho, Fushimi-ku Kyoto-shi, Kyoto 612-8501 Japan Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: Execution Date: May 8, 2008 Additional name(s) & address(es) attached? ☐ Yes ☒ No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 12/091,906 Additional numbers attached? Yes Name and address of party to whom correspondence concerning Total number of applications and patents involved: [1] document should be mailed: Lawrence J. McClure, Esq. Total fee (37 CFR 3.41) \$40.00 HOGAN & HARTSON L.L.P. 1999 Avenue of the Stars, Suite 1400 Enclosed Los Angeles, CA 90067 Authorized to be charged to deposit account Deposit account number: 50-1314 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. Date: February 6, 2009 OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 022221 FRAME: 0246

Attorney Docket No.

ASSIGNMENT

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(1-8)	Insert Name(s) of Inver	(2)	Takuya	ISHIDA	(5) (6)			4
		(3) (4)			(7)			
		(4)	considerat	tions paid to ∈	(8) sum of one dollar each of the unde assign, transfer a	rsigned, the und	er good and dersigned agr	valuable ree(s) to
(9)	Insert name of Assigned	\- /	KYO	CERA COR	PORATION			
(10)	Insert state of Incorpora Assignee	tion of (10)			on of Japa			
(11)	Insert address of Assign	ree (11)	(hereinäfte	Takeda Toto-shi, er designated a the invention k	obadono-ch Kyoto, Jar is the Assignee) ti nown as	io, Fushim can he entire worldwi	ii-ku, ide right, title	and
(12)	Insert identification of Insuch as Title, Case Num Foreign Application Num	ber or ```	CUTTING		MILLING '	TOOL AND	CUTTING	METHOL
			United Sta	ites of America	d has (have) exec and all patent ap based thereon.	outed an applicat	ion for patent eign countries	in the
(13)	Insert Date of Signing of Application	(13)	on	8; 2008				
and c assign	The undersig ontinuing United States iments in connection with	and foreign a	pplications	for the above	sary in connection e-identified invent leem necessary o	tion and also to	al, reissue, div o execute se	risional ≀parate
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Date: M	ay 8; 2008 s	Signature of Inv	entor_ Tak t	uya ISHI	DA Taku	ra Ishida		
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