503619655 12/18/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAHIKO KURODA	11/18/2015
YOJI NAKAZONO	11/18/2015

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:	14900026

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 858-882-2000

Email: KII-USPatents@kyocera.com

Correspondent Name: KYOCERA INTERNATIONAL INC. INTELLECTUAL

Address Line 1: 8611 BALBOA AVE

Address Line 4: SAN DIEGO, CALIFORNIA 92123

ATTORNEY DOCKET NUMBER:	14P01363US0
NAME OF SUBMITTER:	TOKIKO KINOSHITA
SIGNATURE:	/Tokiko Kinoshita/
DATE SIGNED:	12/18/2015

Total Attachments: 2

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PATENT 503619655 REEL: 037333 FRAME: 0363

ASSIGNMENT 譲渡証書

(1-8)発明者名	(1)	(1-8) Name(s) of	(1) KURODA,Masahiko
	(2)	Inventor(s)	
		-	
	(3)		(3)
	(4)		(4)
Total Control of the	(5)	-	(5)
	(6)		(6)
	(7)		(7)
	(8)		(8)
	以下の署名者各々に対して支払われる価値ある対価に基づき、下記署名者は被譲 渡人、		In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
(9) 被譲渡人名	京セラ株式会社	(9) Name(s) of Assignee(s)	(9) KYOCERA Corporation
(10、11)被譲渡人本店 所在地·住所	京都市伏見区竹田鳥羽殿町6番地 〒612-8501、日本国	(10) State of Incorporation of Assignee(s)	(10) (11) of 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto, Japan 612- 8501, and
	(上記を、以下被譲渡人) へ、下記署名者が米国に於いて特許出願 した	(11) Address(es) of Assignee(s)	(hereinafter designated as the Assignee(s)) the entire worldwide right, title and interest in the invention known as
(12)発明の名称、 件名番号、又は外国に於		(12) Identification of Invention, such	(12) <u>DRILL</u>
ける特許出願番号等の発 明を識別するもの	で識別される特許出願として公知の発明、及びそれに対応する若しくはそれに基づい	as Title, Case Number or Foreign Application Number	which was filed as U.S. Patent Application No. 14/900,026 on 18-DEC-2015
	た外国での全ての特許出願として公知の 発明の世界各国に亙っての権利、所有権 及び利益を譲渡することに同意し、ここに譲 渡する。		for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.
発行、分割出願及び継続出 とに同意する。さらに下記署	明に関し米国及び外国に於ける原出願、再願に必要な全ての書類手続きを遂行するこ名者は、被譲渡人が必要もしくは便宜と看に関し別個の譲渡手続きを行うことに同意す	connection with any States and foreign ap also to execute sepa	agree(s) to execute all papers necessary in original, reissue, divisional and continuing United oplications for the above identified invention and rate assignments in connection with such ssignee may deem necessary or expedient.
2)下記署名者は、当該出願又はその継続出願又は分割出願に関し提起され得る抵触審査に関連して必要な全ての書類手続きを遂行することに同意する。さらにかかる抵触審査が発生した際には、証拠の収集等事態の進展に関し被譲渡人に対しあらゆる協力をすることに同意する。		2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.	
3)下記署名者は、パリ条約条項又は類似の合意の要求又は規定に関 し必要な全ての書類手続き、及び必要と看做される行為全てを遂行する ことに同意する。		The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.	

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President de la company de la				
4) 下記署名者は、被譲渡人が有効な米国特許の付与の獲得にあたり 必要と看做されるあらゆる積極的行動をとることに同意する。		4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.		
5)下記署名者は、ここに、特許庁長官に対し、被譲渡人を全利益の被譲渡人と看做し、当該出願又はその分割及び継続出願の米国特許証を被譲渡人に発行する権限を与え、かかる発行を要請する。下記署名者はさらに、被譲渡人はここに譲渡される全利益の譲渡を受ける権利を有すること、及び当該内容に違反する内容の契約は締結していないことを誓約する。		5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest here in assigned and that he has (they have) not executed any agreement in conflict herewith.		
6)下記署名者は、これにより本書類の記録のために必要であるか、または望ましい識別を促進するために本譲渡証に挿入する権限を顧客番号:32968 で表される者に与えます。		6) The undersigned hereby grant(s) to the persons associated with Customer Number: 32968 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.		
		Inventor 1: KLIDODA Manchika		
署名	日付	Inventor 1: KURODA,Masahiko Signature Date		
· 12 12	μη	Kuroda Masahiko	Nov. 18, 2015	
発明者2		Inventor 2: NAKAZONO, Yoji		
署名	日付	Signature	Date	
		Nakazono Yoji	Nov. 18. 2015	
		Inventor 3:		
署名	日付	Signature	Date	
			· · · · · · · · · · · · · · · · · · ·	
発明者4		Inventor 4:		
署名	日付	Signature	Date	
ound at -				
発明者5	Pro 2	Inventor 5:	T = :	
署名	日付	Signature	Date	
発明者6		Inventor 6:		
署名	日付	Signature	Date	
 発明者7		Inventor 7:		
署名	日付	Signature	Date	
		organica c	Date	
発明者8		Inventor 8:		
署名	日付	Signature	Date	

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RECORDED: 12/18/2015