503615317 12/16/2015 PATENT ASSIGNMENT COVER SHEET

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		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
KENICHI AKABANE			11/09/2015		
RECEIVING PARTY D	ATA				
Name:	KYOCEF	KYOCERA CORPORATION			
Street Address:	6 TAKED	6 TAKEDA TOBADONO-CHO, FUSHIMI-KU			
City:	КҮОТО-	ΚΥΟΤΟ-SHI, ΚΥΟΤΟ			
State/Country:	JAPAN	JAPAN			
Postal Code:	612-850	612-8501			
Application Number:	'	4899080			
CORRESPONDENCE	DATA				
using a fax number, if Phone: Email: Correspondent Name: Address Line 1:	f provided; 8 K K 8	the e-mail address first; if that is uns if that is unsuccessful, it will be sen 58-882-2000 (II-USPatents@kyocera.com (YOCERA INTERNATIONAL INC. INTE 611 BALBOA AVE	t via US Mail.		
Correspondence will I using a fax number, if Phone: Email: Correspondent Name:	f provided; 8 K K 8	<i>if that is unsuccessful, it will be sen</i> 58-882-2000 (II-USPatents@kyocera.com (YOCERA INTERNATIONAL INC. INTE	t via US Mail.		
Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	f provided; 8 K 5 8 8 8 8	if that is unsuccessful, it will be sen 58-882-2000 (II-USPatents@kyocera.com (YOCERA INTERNATIONAL INC. INTE 611 BALBOA AVE GAN DIEGO, CALIFORNIA 92123 14P01579US0	t via US Mail.		
Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	f provided; 8 K 5 K 8 S 10MBER:	<i>if that is unsuccessful, it will be sen</i> 58-882-2000 (II-USPatents@kyocera.com (YOCERA INTERNATIONAL INC. INTE 611 BALBOA AVE 6AN DIEGO, CALIFORNIA 92123	t via US Mail.		
Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	f provided; 8 K 5 K 8 S 10MBER:	if that is unsuccessful, it will be sen 58-882-2000 (II-USPatents@kyocera.com (YOCERA INTERNATIONAL INC. INTE 611 BALBOA AVE GAN DIEGO, CALIFORNIA 92123 14P01579US0	t via US Mail.		
Correspondence will I using a fax number, if Phone: Email: Correspondent Name: Address Line 1:	f provided; 8 K 5 K 8 S 10MBER:	if that is unsuccessful, it will be sen 58-882-2000 (II-USPatents@kyocera.com CYOCERA INTERNATIONAL INC. INTE 611 BALBOA AVE GAN DIEGO, CALIFORNIA 92123 14P01579US0 TOKIKO KINOSHITA	t via US Mail.		

ASSIGNMENT 譲渡証書

(1-8)発明者名	(1)	(1-8) Name(s) of Inventor(s)	(1) AKABANE, Kenichi	
	(2)		(2)	
	(3)		(3)	
	(4)		(4)	
	(5)	4	(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) (11) Address(es) 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		(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 ける特許出願番号等の発 明を識別するもの		(12) Identification of Invention, such as Title, Case Number or Foreign Application Number	(12) THERMOELECTRIC MODULE	
	で識別される特許出願として公知の発明、		which was filed as U.S. Patent Application No. $14/899,080$ on $16-DEC-2015$,	
	及びそれに対応する若しくはそれに基づい 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.	
1) 下記署名者は、上記の発明に関し米国及び外国に於ける原出願、再 発行、分割出願及び継続出願に必要な全ての書類手続きを遂行するこ とに同意する。さらに下記署名者は、被譲渡人が必要もしくは便宜と看 做した際には、かかる出願に関し別個の譲渡手続きを行うことに同意す る。		 The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above identified invention and also to execute separate assignments in connection with such applications as the Assignee 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。		3) 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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PATENT REEL: 037309 FRAME: 0573

Attorney Docket No. <u>14P01579US0</u> 弁護士事件番号

		ノ酸エザ作用う			
	度人が有効な米国特許の付与の獲得にあた る積極的行動をとることに同意する。	4) The undersigned agree(s) to perform be necessary to obtain a grant of a vali Assignee.	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.		
譲渡人と看做し、当該出 被譲渡人に発行する権限 はさらに、被譲渡人はこ	、特許庁長官に対し、被譲渡人を全利益の 願又はその分割及び継続出願の米国特許 最を与え、かかる発行を要請する。下記署名 こに譲渡される全利益の譲渡を受ける権利 こ違反する内容の契約は締結していないこと	証を Commissioner of Patents to issue any す United States resulting from said applic divisions or continuing applications the Assignee of the entire interest, and her (they have) full right to convey the entir	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 たは望ましい識別を促進 号: 32968 で表される者	こより本書類の記録のために必要であるか、 するために本譲渡証に挿入する権限を顧客 新に与えます。	 ま 6) The undersigned hereby grant(s) to f :番 Customer Number: 32968 the power any further identification which may be to comply with the rules of the United S Office for recordation of this document. 	to insert on this assignment necessary or desirable in order tates Patent and Trademark		
	anna 454 444 - 914 - 924 anna ann an 2011 an 2014 agus ann an 2014 agus ann an 2014 agus ann an 2014 agus ann a	Inventor 1: AKABANE, Kenichi			
署名	日付	Signature Kenichi Akabane	Date Nov. 9, 2015		
		Irenichi Akaume			
発明者2		Inventor 2:			
署名	日付	Signature	Date		
······					
発明者3		Inventor 3:			
署名	日付	Signature	Date		
発明者4		Inventor 4:			
署名	日付	Signature	Date		
発明者5		Inventor 5:			
署名	日付	Signature	Date		
発明者6		Inventor 6:			
署名	日付	Signature	Date		
 発明者7	I	Investor 7			
光明祖 / 著名	日付	Inventor 7: Signature	Date		
発明者8		Inventor 8:	Inventor 8:		
	日付	Signature	Date		