503726347 03/08/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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HIDEKI HAYASHI	12/18/2015
KEITA HIRAI	12/21/2015
ATSUSHI HIROTA	12/21/2015

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14757550		

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DATE SIGNED:	03/08/2016

Total Attachments: 1

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PATENT REEL: 037919 FRAME: 0841

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ASSIGNMENT

2015-00520US/57CS2D

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		(1)	Toru k	KAKIUCHI	(5)		
(1-8)	Insert	(2)	Hideki	HAYASHI	(6)		
	Name(s) of Inventor(s)	(3)	Kelta	HIRAI	(7)		
•		(4)	Atsushi		(6)		
			lo consid	ieration of the sum of one of undersigned, the undersigned	dollar (\$1.00) and ned agree(s) to a	other good and valuable of sign, and hereby does as	considerations paid to sign, transfer and se
(9)	insert Name of Assignee	(0) == ARCET VAAVA VADUOLIIVI VAISUO					
(10)	Ingert Address of Assignee	(10)		aeshiro-cho, Mizuho-		•	61 JAPAN
	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and Patent, extensions, reissues and reexamination certificates that may be grapted on the invention						
(11)	Insert Identification	(11)		LECTRIC ACTUATO			ATUS AND
	of invention such as Title, Case Number, or Foreig		METHO	D FOR PRODUCING	PIEZOELEC	IRIC ACTUATOR	
	Application Numb			Docket No.		u r bourt ban 11-lban	d Chalco of America
444			for which th	né undersigned has (have) e · December 18, 20			1 States of Villatins
(12)	Insert Date of Signing of Application	(12)	on _		TO AIR DEC	Sember 21, 2013	
(13)	Alternative Identification for filed applications	(13)	U.S. appli	ceilon Serial Number			
applica any ap the As: claims reexan United (they if agreer	ations and palents as to 2) The undersigne plication or continuation or continuation or provisions of the interest of the interest of a visual palent of a visual pal	he Asside agreed	eignees may eig) to exect ithis on there in obtaining eig) to exect anat Conven eig) to perfe ind States p eby authorize application(s) e entire inte	patent(s) issuing thereon, a deem necessary. Ite all papers necessary in coor, or any patent or release evidence and going forward ute all papers and documention for Protection of Industrom all affirmative acts which are the tothe Assignee. It is and request(s) the Complete the firm of Banner & Wrable in order to comply with the firm of Banner & Wrable in order to comply with	connection with an application based with euch interfer to and perform an ial Property or simple may be necessarily and perform of Palassignes of the eithat he has (they litcoff LTD the i	y interference which may be thereon, for the invention, a ence. y act which may be necessullar agreements. sary to obtain, maintain or tenis to lesue any and all the interest, and hereby contains and hereby contains to insert on this as	e declared concerning and to cooperate with cary in connection with confirm by release or Letters Patents of the will not execute, any signment any further
	In witness whereo	f, exec	outed by the	undersigned on the date(s) opposite the D	ndersigned name(s).	
Da	to Dec 21,	プロ	<u>(† </u>	Name of Inventor		aleinch!	
Da	to Dec. 10	<u>, 2</u>	0/5	Name of inventor		Idayashi	(SEAL)
Da	to <u>Dec. 21</u>	, 20	<u> </u>	Name of inventor			(SEAL)
De	to Dec. 2	1, >	2015	Name of inventor	atsus	hi Hirota	(SEAL)
Dŧ	ite			Name of inventor		<u> </u>	(SEAL)
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	ite			Name of inventor		·	(SEAL)
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RECORDED: 03/08/2016

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REEL: 037919 FRAME: 0842