

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2635253

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>RYOSUKE KOBAYASHI</td> <td>09/05/2013</td> </tr> <tr> <td>AKIHIRO MITANI</td> <td>09/05/2013</td> </tr> <tr> <td>YOSHINARI OBA</td> <td>09/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	RYOSUKE KOBAYASHI	09/05/2013	AKIHIRO MITANI	09/05/2013	YOSHINARI OBA	09/05/2013		
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<table border="1"> <tr> <td>Name:</td> <td>FDK CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>36-11, SHINBASHI 5-CHOME, MINATO-KU</td> </tr> <tr> <td>City:</td> <td>TOKYO</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8677</td> </tr> </table>		Name:	FDK CORPORATION	Street Address:	36-11, SHINBASHI 5-CHOME, MINATO-KU	City:	TOKYO	State/Country:	JAPAN	Postal Code:	105-8677
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CORRESPONDENCE DATA											
<p>Fax Number: (202)756-8087</p> <p>Phone: 202-756-8000</p> <p>Email: symorgan@mwe.com, mweipdocket@mwe.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: MCDERMOTT WILL & EMORY</p> <p>Address Line 1: 500 NORTH CAPITOL STREET NW</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001</p>											
ATTORNEY DOCKET NUMBER:	086572-0027										
NAME OF SUBMITTER:	TOMOKI TANIDA										
Signature:	/tomoki tanida/										
Date:	12/03/2013										
<p>Total Attachments: 1</p> <p>source=Assignment_086572-0027#page1.tif</p>											

CH \$40.00 14000739

PATENT

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Ryosuke KOBAYASHI
- (2) Akihiro MITANI
- (3) Yoshinari OBA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

FDK CORPORATION

36-11, Shinbashi 5-chome, Minato-ku, Tokyo, 105-8677, Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

AN ALKALI NIOBATE-BASED PIEZOELECTRIC MATERIAL AND A METHOD FOR MAKING THE SAME

(a) for which an application for United States Letters Patent was filed on August 21, 2013, and identified by United States Serial No. 14/000,739; or

(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Ryosuke KOBAYASHI</u> Name: Ryosuke KOBAYASHI	<u>Sept. 05, 2013</u>
2) <u>Akihiro MITANI</u> Name: Akihiro MITANI	<u>Sept. 05, 2013</u>
3) <u>Yoshinari Oba</u> Name: Yoshinari OBA	<u>Sept. 05, 2013</u>