

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Takafumi ITO</td> <td>04/18/2011</td> </tr> <tr> <td>Teruhiko TAKEUCHI</td> <td>04/18/2011</td> </tr> <tr> <td>Takeshi YANO</td> <td>04/25/2011</td> </tr> <tr> <td>Sze Keat CHEE</td> <td>04/25/2011</td> </tr> <tr> <td>Toshiro HIGUCHI</td> <td>04/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	Takafumi ITO	04/18/2011	Teruhiko TAKEUCHI	04/18/2011	Takeshi YANO	04/25/2011	Sze Keat CHEE	04/25/2011	Toshiro HIGUCHI	04/22/2011
Name	Execution Date												
Takafumi ITO	04/18/2011												
Teruhiko TAKEUCHI	04/18/2011												
Takeshi YANO	04/25/2011												
Sze Keat CHEE	04/25/2011												
Toshiro HIGUCHI	04/22/2011												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SATAKE CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>7-2, Sotokanda 4-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>101-0021</td> </tr> </table>		Name:	SATAKE CORPORATION	Street Address:	7-2, Sotokanda 4-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN	Postal Code:	101-0021		
Name:	SATAKE CORPORATION												
Street Address:	7-2, Sotokanda 4-chome												
City:	Chiyoda-ku, Tokyo												
State/Country:	JAPAN												
Postal Code:	101-0021												
<table border="1"> <tr> <td>Name:</td> <td>MECHANO TRANSFORMER CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>7-7, Shinkawasaki Saiwai-ku</td> </tr> <tr> <td>City:</td> <td>Kawasaki-shi, Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>212-0032</td> </tr> </table>		Name:	MECHANO TRANSFORMER CORPORATION	Street Address:	7-7, Shinkawasaki Saiwai-ku	City:	Kawasaki-shi, Kanagawa	State/Country:	JAPAN	Postal Code:	212-0032		
Name:	MECHANO TRANSFORMER CORPORATION												
Street Address:	7-7, Shinkawasaki Saiwai-ku												
City:	Kawasaki-shi, Kanagawa												
State/Country:	JAPAN												
Postal Code:	212-0032												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13907629</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13907629								
Property Type	Number												
Application Number:	13907629												
CORRESPONDENCE DATA													
Fax Number:	9494578297												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	949-457-8296												
Email:	KAPAT@KAPATLAW.COM												
Correspondent Name:	Law Office of Katsuhiro Arai												

CH \$40.00 13907629

Address Line 1: 22471 Aspan Street
Address Line 2: Suite 205 C
Address Line 4: Lake Forest, CALIFORNIA 92630

ATTORNEY DOCKET NUMBER: AIWA2.001DV1

NAME OF SUBMITTER: Katsuhiko Arai

Signature: /katsuhiko arai/

Date: 05/31/2013

Total Attachments: 8

source=Assignment-Recordation_aiwa-okano2-001dv1#page1.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page2.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page3.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page4.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page5.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page6.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page7.tif
source=Assignment-Recordation_aiwa-okano2-001dv1#page8.tif

ASSIGNMENT

WHEREAS, the undersigned inventor(s) have/has invented certain new and useful improvements in a

PIEZOELECTRIC VALVE AND OPTICAL GRANULAR MATERIAL-SORTING APPARATUS UTILIZING SUCH PIEZOELECTRIC VALVE

for which the undersigned inventor(s)

will file an application for Letters Patent in the United States identified also as Attorney Docket No. OKANO2.001AUS (hereinafter "Application");

have/has filed an application, International Application No. PCT/IP _____ / _____, filed _____, under the Patent Cooperation Treaty, which will enter the U.S. National Phase under 35 U.S.C. §371 (hereinafter "Application");

have/has filed an application for Letters Patent in the United States, Application No. _____ filed _____ (hereinafter "Application");

AND WHEREAS, SATAKE CORPORATION, a Japanese corporation, with its principal place of business at 7-2, Sotokanda 4-chome Chiyoda-ku, Tokyo, 101-0021, Japan and MECHANO TRANSFORMER CORPORATION, a Japanese corporation, with its principal place of business at Room 114, Kawasaki Business Incubation Center, 7-7, Shinkawasaki Saiwai-ku, Kawasaki-shi, Kanagawa 212-0032, Japan (hereinafter "ASSIGNEE"), desire to acquire the entire right, title, and interest in and to said improvements and said Application;

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned inventor(s) do/does hereby acknowledge that the undersigned inventor(s) have/has sold, assigned, transferred and set over, and by these presents do/does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and the undersigned inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND THE UNDERSIGNED INVENTOR(S) DO/DOES HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have

accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance;

AND THE UNDERSIGNED INVENTOR(S) HEREBY covenant(s) and agree(s) that the undersigned inventor(s) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to the undersigned inventor(s) respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, the undersigned inventor(s) execute(s) this assignment:

NAME OF SOLE OR FIRST INVENTOR	
first and middle [if any] Takafumi	FAMILY NAME ITO
Inventor's Signature <i>Takafumi Ito</i>	Date 4/18/2011
Witness <i>Takahiro Fujiwara</i>	
NAME OF SECOND INVENTOR	
first and middle [if any] Teruhiko	FAMILY NAME TAKEUCHI
Inventor's Signature <i>Teruhiko Takeuchi</i>	Date 4/18/2011
Witness <i>Takahiro Fujiwara</i>	
NAME OF THIRD INVENTOR	
first and middle [if any] Takeshi	FAMILY NAME YANO
Inventor's Signature <i>Takeshi Yano</i>	Date 4/25/2011
Witness <i>Takahiro Fujiwara</i>	
NAME OF FOURTH INVENTOR	
first and middle [if any] Sze Keat	FAMILY NAME CHEE
Inventor's Signature <i>[Signature]</i>	Date 4/25/2011
Witness <i>Takahiro Fujiwara</i>	

NAME OF FIFTH INVENTOR	
first and middle [if any]	FAMILY NAME
Toshiro	HIGUCHI
Inventor's Signature <i>Toshiro Higuchi</i>	Date <i>4/22/2011</i>
Witness <i>Takahiro Fujiwara</i>	

TO:LAW OFFICE OF KATSUHIRO ARAI COMPANY:22471 ASPAN STREET

**UNITED STATES PATENT AND
TRADEMARK OFFICE****Facsimile Transmission**

To: **Name:** LAW OFFICE OF KATSUHIRO ARAI
 Company: 22471 ASPAN STREET
 Fax Number: 19494578297
 Voice Phone:

From: **Name:** ASSIGNMENT RECORDATION SERVICES
 Voice Phone: 571-272-3350

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

Fax Notes:

Pg#	Description
1	Cover Page
2	Notice
4	Batch 2464031 Document 1

USPTO ASSIGNMENT SYSTEM PROCESSING

Date and time of transmission: Tuesday, May 17, 2011 1:01:28 PM
Number of pages including this cover sheet: 05

PATENT
REEL: 030527 FRAME: 0938

TO:LAW OFFICE OF KATSUHIRO ARAI COMPANY:22471 ASPAN STREET

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 16, 2011

PTAS

LAW OFFICE OF KATSUHIRO ARAI
22471 ASPAN STREET
SUITE 205 C
LAKE FOREST, CA 92630

501530888

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 05/13/2011

REEL/FRAME: 026277/0625

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: OKANO2.001AUS

ASSIGNOR:

ITO, TAKAFUMI

DOC DATE: 04/18/2011

ASSIGNOR:

TAKEUCHI, TERUHIKO

DOC DATE: 04/18/2011

ASSIGNOR:

YANO, TAKESHI

DOC DATE: 04/25/2011

ASSIGNOR:

CHEE, SZE KEAT

DOC DATE: 04/25/2011

ASSIGNOR:

HIGUCHI, TOSHIRO

DOC DATE: 04/22/2011

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.USPTO.gov

PATENT
REEL: 030527 FRAME: 0939

TO:LAW OFFICE OF KATSUHIRO ARAI COMPANY:22471 ASPAN STREET

026277/0625 PAGE 2

ASSIGNEE:

SATAKE CORPORATION
7-2, SOTOKANDA 4-CHOME
CHIYODA-KU, TOKYO, JAPAN 101-0021

ASSIGNEE:

MECHANO TRANSFORMER CORPORATION
7-7, SHINKAWASAKI, SAIWAI-KU
ROOM 114, KAWASAKI BUSINESS
INCUBATION CENTER
KAWASAKI-SHI, KANAGAWA, JAPAN 212-
0032

APPLICATION NUMBER: 13107332

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: PIEZOELECTRIC VALVE AND OPTICAL GRANULAR MATERIAL-SORTING
APPARATUS UTILIZING SUCH PIEZOELECTRIC VALVE

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

TO:LAW OFFICE OF KATSUHIRO ARAI COMPANY:22471 ASPAN STREET

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.105/13/2011
501530888

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>Takafumi ITO</td> <td>04/18/2011</td> </tr> <tr> <td>Teruhiko TAKEUCHI</td> <td>04/18/2011</td> </tr> <tr> <td>Takeshi YANO</td> <td>04/25/2011</td> </tr> <tr> <td>Sze Keat CHEE</td> <td>04/25/2011</td> </tr> <tr> <td>Toshiro HIGUCHI</td> <td>04/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	Takafumi ITO	04/18/2011	Teruhiko TAKEUCHI	04/18/2011	Takeshi YANO	04/25/2011	Sze Keat CHEE	04/25/2011	Toshiro HIGUCHI	04/22/2011
Name	Execution Date												
Takafumi ITO	04/18/2011												
Teruhiko TAKEUCHI	04/18/2011												
Takeshi YANO	04/25/2011												
Sze Keat CHEE	04/25/2011												
Toshiro HIGUCHI	04/22/2011												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SATAKE CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>7-2, Sotokanda 4-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>101-0021</td> </tr> </table>		Name:	SATAKE CORPORATION	Street Address:	7-2, Sotokanda 4-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN	Postal Code:	101-0021		
Name:	SATAKE CORPORATION												
Street Address:	7-2, Sotokanda 4-chome												
City:	Chiyoda-ku, Tokyo												
State/Country:	JAPAN												
Postal Code:	101-0021												
<table border="1"> <tr> <td>Name:</td> <td>MECHANO TRANSFORMER CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>7-7, Shinkawasaki, Saiwai-ku</td> </tr> <tr> <td>Internal Address:</td> <td>Room 114, Kawasaki Business Incubation Center</td> </tr> <tr> <td>City:</td> <td>Kawasaki-shi, Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>212-0032</td> </tr> </table>		Name:	MECHANO TRANSFORMER CORPORATION	Street Address:	7-7, Shinkawasaki, Saiwai-ku	Internal Address:	Room 114, Kawasaki Business Incubation Center	City:	Kawasaki-shi, Kanagawa	State/Country:	JAPAN	Postal Code:	212-0032
Name:	MECHANO TRANSFORMER CORPORATION												
Street Address:	7-7, Shinkawasaki, Saiwai-ku												
Internal Address:	Room 114, Kawasaki Business Incubation Center												
City:	Kawasaki-shi, Kanagawa												
State/Country:	JAPAN												
Postal Code:	212-0032												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13107332</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13107332								
Property Type	Number												
Application Number:	13107332												
CORRESPONDENCE DATA													
Fax Number:	(949)457-8297												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	949-457-8298												
Email:	KAPAT@KAPATLAW.COM												

CH \$40.00 13107332

TO: LAW OFFICE OF KATSUHIRO ARAI COMPANY: 22471 ASPAN STREET

Correspondent Name:	Law Office of Katsuhiko Arai
Address Line 1:	22471 Aspan Street
Address Line 2:	Suite 205 C
Address Line 4:	Lake Forest, CALIFORNIA 92630
ATTORNEY DOCKET NUMBER:	OKANO2.001AUS
NAME OF SUBMITTER:	Katsuhiko Arai
Total Attachments: 3 source=xASSIGNMENT_okano2-001aus#page1.tif source=xASSIGNMENT_okano2-001aus#page2.tif source=xASSIGNMENT_okano2-001aus#page3.tif	