

## 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>Kazushige HATAKEYAMA</td> <td>01/13/2012</td> </tr> <tr> <td>Takashi MIYAGAWA</td> <td>01/13/2012</td> </tr> </tbody> </table>  |                                     | Name          | Execution Date        | Kazushige HATAKEYAMA | 01/13/2012                    | Takashi MIYAGAWA | 01/13/2012 |                |       |              |          |
| Name  | Execution Date                      |               |                       |                      |                               |                  |            |                |       |              |          |
| Kazushige HATAKEYAMA  | 01/13/2012                          |               |                       |                      |                               |                  |            |                |       |              |          |
| Takashi MIYAGAWA  | 01/13/2012                          |               |                       |                      |                               |                  |            |                |       |              |          |
| RECEIVING PARTY DATA  |                                     |               |                       |                      |                               |                  |            |                |       |              |          |
| <table border="1"> <tr> <td>Name:</td> <td>TAIYO YUDEN CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>16-20, Ueno 6-chome, Taito-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>110-0005</td> </tr> </table> |                                     | Name:         | TAIYO YUDEN CO., LTD. | Street Address:      | 16-20, Ueno 6-chome, Taito-ku | City:            | Tokyo      | State/Country: | JAPAN | Postal Code: | 110-0005 |
| Name:   | TAIYO YUDEN CO., LTD.               |               |                       |                      |                               |                  |            |                |       |              |          |
| Street Address:   | 16-20, Ueno 6-chome, Taito-ku       |               |                       |                      |                               |                  |            |                |       |              |          |
| City:   | Tokyo                               |               |                       |                      |                               |                  |            |                |       |              |          |
| State/Country:  | JAPAN                               |               |                       |                      |                               |                  |            |                |       |              |          |
| Postal Code:  | 110-0005                            |               |                       |                      |                               |                  |            |                |       |              |          |
| 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>13352500</td> </tr> </tbody> </table>   |                                     | Property Type | Number                | Application Number:  | 13352500                      |                  |            |                |       |              |          |
| Property Type   | Number                              |               |                       |                      |                               |                  |            |                |       |              |          |
| Application Number:   | 13352500                            |               |                       |                      |                               |                  |            |                |       |              |          |
| CORRESPONDENCE DATA   |                                     |               |                       |                      |                               |                  |            |                |       |              |          |
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| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>   |                                     |               |                       |                      |                               |                  |            |                |       |              |          |
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| ATTORNEY DOCKET NUMBER:   | 85282.05823US                       |               |                       |                      |                               |                  |            |                |       |              |          |
| NAME OF SUBMITTER:  | Maiko Kuwada                        |               |                       |                      |                               |                  |            |                |       |              |          |
| Total Attachments: 1<br>source=05823US_Assignment#page1.tif   |                                     |               |                       |                      |                               |                  |            |                |       |              |          |

OP \$40.00 13352500

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

ACOUSTIC WAVE DEVICE

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed a PCT International Application designating the United States on \_\_\_\_\_, (Application No. \_\_\_\_\_); and

WHEREAS, TAIYO YUDEN CO., LTD., a corporation of Japan, whose post office address is 16-20, Ueno 6-chome, Taito-ku, Tokyo 110-0005 Japan, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Power of Attorney in this application, to insert here in parenthesis (Application No. 13/352,500 , filed Jan. 18, 2012 ) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

|   |   |                                |
|---|---|--------------------------------|
| Full Name of Sole or First Assignor<br>Kazushige HATAKEYAMA   | Assignor's Signature<br><i>Kazushige Hatakeyama</i> | Date<br><i>13 January 2012</i> |
| Address<br>c/o TAIYO YUDEN Mobile Technology Co., Ltd.<br>3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 Japan |   | Citizenship<br>Japan           |
| Full Name of Second Assignor<br>Takashi MIYAGAWA  | Assignor's Signature<br><i>Takashi Miyagawa</i>     | Date<br><i>13 January 2012</i> |
| Address<br>c/o TAIYO YUDEN Mobile Technology Co., Ltd.<br>3-12, Shin-Yokohama 2-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 Japan |   | Citizenship<br>Japan           |
| Full Name of Third Assignor   | Assignor's Signature                                | Date                           |
| Address   |   | Citizenship                    |
| Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              |   |                                |