

## PATENT ASSIGNMENT

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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>Motoaki Hara</td> <td>01/30/2012</td> </tr> <tr> <td>Jun Tsutsumi</td> <td>01/30/2012</td> </tr> <tr> <td>Shogo Inoue</td> <td>01/30/2012</td> </tr> <tr> <td>Masafumi Iwaki</td> <td>01/30/2012</td> </tr> <tr> <td>Masanori Ueda</td> <td>02/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Motoaki Hara	01/30/2012	Jun Tsutsumi	01/30/2012	Shogo Inoue	01/30/2012	Masafumi Iwaki	01/30/2012	Masanori Ueda	02/01/2012
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CORRESPONDENCE DATA													
<p>Fax Number: (240)238-2825</p> <p>Phone: 408-530-8033</p> <p>Email: patents@cyiplaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Masao Yoshimura, Chen Yoshimura LLP</p> <p>Address Line 1: 333 W. El Camino Real</p> <p>Address Line 2: Suite 380</p> <p>Address Line 4: Sunnyvale, CALIFORNIA 94087</p>													
ATTORNEY DOCKET NUMBER:	88249.JP09-2282-US												
NAME OF SUBMITTER:	Maiko Kuwada												
<p>Total Attachments: 2</p> <p>source=JP09-2282-US_Assignment#page1.tif</p> <p>source=JP09-2282-US_Assignment#page2.tif</p>													

OP \$40.00 13364075

ASSIGNMENT

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

DUPLEXER

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. 13/364,075, filed Feb. 1, 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 Motoaki Hara	Assignor's Signature <i>Motoaki Hara</i>	Date 2012/1/30
Address c/o Tohoku University 6-6-01, Aza-Aoba, Aramaki, Aoba, Sendai, Miyagi 980-8579 Japan		Citizenship Japan
Full Name of Second Assignor Jun Tsutsumi	Assignor's Signature <i>Jun Tsutsumi</i>	Date 2012/1/30
Address c/o Taiyo Yuden Co., Ltd. 16-20, Ueno 6-chome, Taito-ku, Tokyo 110-0005 Japan		Citizenship Japan
Full Name of Third Assignor Shogo Inoue	Assignor's Signature <i>Shogo Inoue</i>	Date 2012/1/30
Address c/o Taiyo Yuden Co., Ltd. 16-20, Ueno 6-chome, Taito-ku, Tokyo 110-0005 Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Fourth Assignor Masafumi Iwaki	Assignor's Signature <i>Masafumi Iwaki</i>	Date 2012/11/30
Address c/o Taiyo Yuden Co., Ltd. 16-20, Ueno 6-chome, Taito-ku, Tokyo 110-0005 Japan		Citizenship Japan
Full Name of Fifth Assignor Masanori Ueda	Assignor's Signature <i>Masanori Ueda</i>	Date 2012/12/1
Address c/o Taiyo Yuden Co., Ltd. 16-20, Ueno 6-chome, Taito-ku, Tokyo 110-0005 Japan		Citizenship Japan