

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>Kenji HAYASHI</td> <td>02/01/2012</td> </tr> <tr> <td>Hiroshi OKAMOTO</td> <td>02/01/2012</td> </tr> <tr> <td>Hiroto IDENO</td> <td>02/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kenji HAYASHI	02/01/2012	Hiroshi OKAMOTO	02/01/2012	Hiroto IDENO	02/01/2012
Name	Execution Date								
Kenji HAYASHI	02/01/2012								
Hiroshi OKAMOTO	02/01/2012								
Hiroto IDENO	02/01/2012								
RECEIVING PARTY DATA									
Name:	HITACHI METALS, LTD.								
Street Address:	2-1, Shibaura 1-chome								
City:	Minato-ku, Tokyo								
State/Country:	JAPAN								
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>13391954</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13391954				
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Application Number:	13391954								
CORRESPONDENCE DATA									
Fax Number:	(202)293-7860								
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Address Line 4:	Washington, DISTRICT OF COLUMBIA 20037								
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NAME OF SUBMITTER:	Alexander E. Auerbach, New App. Spec.								
Total Attachments: 1 source=ASSIGNMENT#page1.tif									

OP \$40.00 13391954

Assignment

Whereas, I/We, Kenji HAYASHI, of 70-2, Naneicho, Tottori-shi, Tottori, Japan; Hiroshi OKAMOTO, of 70-2, Naneicho, Tottori-shi, Tottori, Japan; Hiroto IDENO, of 70-2, Naneicho, Tottori-shi, Tottori, Japan; hereinafter called assignor(s), have invented certain improvements in

FREQUENCY-VARIABLE ANTENNA CIRCUIT, ANTENNA DEVICE CONSTITUTING IT, AND WIRELESS COMMUNICATIONS APPARATUS COMPRISING IT

and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas,

**HITACHI METALS, LTD.
2-1, Shibaura 1-chome,
Minato-ku, Tokyo, Japan**

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/391,954 and Confirmation number 2037, filed 2012-02-23) the filing date and application number of said application when known.

Date:

_____ s/ Kenji HAYASHI

Date: 2012.2.1 Kenji Hayashi

_____ s/ Hiroshi OKAMOTO

Date: 2012.2.1 Hiroshi Okamoto

_____ s/ Hiroto IDENO

2012.2.1 Hiroto Ideno

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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