

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eiichi KOBAYASHI</td> <td>07/23/2010</td> </tr> <tr> <td>Takuma SAWAYA</td> <td>07/30/2010</td> </tr> <tr> <td>Hiroyuki KUBO</td> <td>08/10/2010</td> </tr> </tbody> </table>		Name	Execution Date	Eiichi KOBAYASHI	07/23/2010	Takuma SAWAYA	07/30/2010	Hiroyuki KUBO	08/10/2010				
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (703)390-1277</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703 390 9051</p> <p>Email: dave.washington@sbpatentlaw.com</p> <p>Correspondent Name: Studebaker &amp; Brackett PC</p> <p>Address Line 1: One Fountain Square</p> <p>Address Line 2: 11911 Freedom Drive, Suite 750</p> <p>Address Line 4: Reston, VIRGINIA 20190</p>													
ATTORNEY DOCKET NUMBER:	002000-34												
NAME OF SUBMITTER:	Tim L. Brackett, Jr.												
Total Attachments: 1													

OP \$40.00 12816100

**501270931**

**PATENT**  
**REEL: 024880 FRAME: 0674**



## ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Eiichi KOBAYASHI, Takuma SAWAYA and Hiroyuki KUBO  
hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

## MAGNETIC MATERIAL ANTENNA AND ANTENNA DEVICE

[ ] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[X] said application having been filed in the United States Patent and Trademark Office on, June 15, 2010 authorization being hereby given to the practitioners associated with the STUDEBAKER & BRACKETT PC CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No. 12/816,100) the application serial number of said application when known;

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, as Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS MURATA MANUFACTURING CO., LTD. of 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grant(s) the law firm of STUDEBAKER & BRACKETT PC the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Date: July 23, 2010

Signature: Eiichi Kobayashi  
Name: Eiichi KOBAYASHI

Date: July 30, 2010

Signature: Takuma Sawaya  
Name: Takuma SAWAYA

Date: August 10, 2010

Signature: Hiroyuki Kubo  
Name: Hiroyuki KUBO