

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<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>Kengo ONAKA</td> <td>01/14/2011</td> </tr> <tr> <td>Kunihiro KOMAKI</td> <td>01/18/2011</td> </tr> <tr> <td>Takashi ISHIHARA</td> <td>01/14/2011</td> </tr> <tr> <td>Takuya MURAYAMA</td> <td>01/18/2011</td> </tr> <tr> <td>Tsuyoshi MUKAI</td> <td>01/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kengo ONAKA	01/14/2011	Kunihiro KOMAKI	01/18/2011	Takashi ISHIHARA	01/14/2011	Takuya MURAYAMA	01/18/2011	Tsuyoshi MUKAI	01/20/2011
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CORRESPONDENCE DATA													
<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 & 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:	002000-54												

OP \$40.00 12957032

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PATENT
REEL: 025686 FRAME: 0829

NAME OF SUBMITTER:

Tim L. Brackett, Jr.

Total Attachments: 2

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Kengo ONAKA, Kunihiro KOMAKI, Takashi ISHIHARA, Takuwa MURAYAMA and Tsuyoshi MUKAI, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

ANTENNA AND WIRELESS COMMUNICATION 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, November 30, 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. 12/957,032) 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, Nagakakyo-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.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: January 14, 2011

Signature: _____

Name: Kengo ONAKA

Date: January 18, 2011

Signature: _____

Name: Kunihiro KOMAKI

Date: January 14, 2011

Signature: Takashi Ishihara
Name: Takashi ISHIHARA

Date: January 18, 2011

Signature: Takuya Murayama
Name: Takuya MURAYAMA

Date: January 28, 2011

Signature: Tsuyoshi Mukai
Name: Tsuyoshi MUKAI