

## 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>Dong YANG</td> <td>09/25/2012</td> </tr> <tr> <td>Yujie ZHU</td> <td>09/25/2012</td> </tr> <tr> <td>Yanbing YU</td> <td>09/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dong YANG	09/25/2012	Yujie ZHU	09/25/2012	Yanbing YU	09/25/2012		
Name	Execution Date										
Dong YANG	09/25/2012										
Yujie ZHU	09/25/2012										
Yanbing YU	09/25/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Murata Manufacturing Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>10-1 Higashikotari 1-chome</td> </tr> <tr> <td>City:</td> <td>Nagaokakyo-shi, Kyoto-fu</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>617-8555</td> </tr> </table>		Name:	Murata Manufacturing Co., Ltd.	Street Address:	10-1 Higashikotari 1-chome	City:	Nagaokakyo-shi, Kyoto-fu	State/Country:	JAPAN	Postal Code:	617-8555
Name:	Murata Manufacturing Co., Ltd.										
Street Address:	10-1 Higashikotari 1-chome										
City:	Nagaokakyo-shi, Kyoto-fu										
State/Country:	JAPAN										
Postal Code:	617-8555										
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>13629650</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13629650						
Property Type	Number										
Application Number:	13629650										
CORRESPONDENCE DATA											
Fax Number:	5713137421										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(571) 313-7440										
Email:	mflorimonte@kbiplaw.com										
Correspondent Name:	Keating & Bennett LLP										
Address Line 1:	1800 Alexander Bell Drive										
Address Line 2:	Suite 200										
Address Line 4:	Reston, VIRGINIA 20191										
ATTORNEY DOCKET NUMBER:	36856.2555										
NAME OF SUBMITTER:	Maura Florimonte										
	This document serves as an Oath/Declaration (37 CFR 1.63).										

OP \$40.00 13629650

**Total Attachments: 4**

source=36856-2555-PTO-20120928-Signed\_Dec-Ass#page1.tif

source=36856-2555-PTO-20120928-Signed\_Dec-Ass#page2.tif

source=36856-2555-PTO-20120928-Signed\_Dec-Ass#page3.tif

source=36856-2555-PTO-20120928-Signed\_Dec-Ass#page4.tif

**COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION**

Title METHOD AND APPARATUS FOR ACCURATE TIME SYNCHRONIZATION IN WIRELESS COMMUNICATION SYSTEM

As a below named INVENTOR/ASSIGNOR, I hereby declare that:

This declaration  The attached application, or

is directed to:  United States application or PCT international application number \_\_\_\_\_  
 filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

WHEREAS, Murata Manufacturing Co., Ltd.  
 (hereinafter referred to as "ASSIGNEE") having places of business at: 10-1 Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu Japan 617-8555, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR

Inventor: Dong YANG Date: 9/26/2012

Signature: Dong Yang

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR

Inventor: Yujie ZHU Date: 9/25/2012

Signature: [Signature]

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR

Inventor: Yanbing YU

Date:

Signature:

COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title METHOD AND APPARATUS FOR ACCURATE TIME SYNCHRONIZATION IN WIRELESS COMMUNICATION SYSTEM

As a below named INVENTOR/ASSIGNOR, I hereby declare that:

This declaration [X] The attached application, or

is directed to: [ ] United States application or PCT international application number filed on

The above identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

WHEREAS, Murata Manufacturing Co., Ltd. (hereinafter referred to as "ASSIGNEE") having places of business at: 10-1, Higashikotari 1-chome, Nagaokukyo-shi, Kyoto, in Japan 617-0555, is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale:

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR

Inventor: Dong YANG Date:

Signature:

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR

Inventor: Yujie ZHU Date:

Signature:

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR

Inventor: Yanbing YU

Date:

9/25/2012

Signature

