## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4851183

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HONGLIANG WANG	02/22/2018
YANG CHEN	02/22/2018
YAN-FEI LIU	02/22/2018
JAHANGIR AFSHARIAN	02/22/2018
ZHIHUA YANG	02/22/2018
BING GONG	02/22/2018

#### **RECEIVING PARTY DATA**

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**

Property Type	Number
Application Number:	15757552

#### **CORRESPONDENCE DATA**

Fax Number: (571)313-7421

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 571-313-7440

Email: mrhodes@kbiplaw.com **KEATING & BENNETT LLP Correspondent Name:** Address Line 1: 1800 ALEXANDER BELL DR.

Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	36857.164.US
NAME OF SUBMITTER:	/MICHELLE RHODES/
SIGNATURE:	/PMM/mr/
<b>DATE SIGNED:</b> 03/05/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 045108 FRAME: 0034 504804451

PAIENI

### **Total Attachments: 2**

source = 36857-164-US-PTO-20180305-Signed-Assignment-Declaration # page 1. tifsource = 36857-164-US-PTO-20180305-Signed-Assignment-Declaration # page 2. tifsource = 36857-164-US-PTO-20180305-Signed-Assignment-Declaration # page 2. tifsource = 36857-164-US-PTO-20180305-Signed-Assignment-Declaration # page 3. tifsource = 36857-364-US-PTO-20180305-Signed-Assignment-Declaration # page 3. tifsource = 36857-3

PATENT REEL: 045108 FRAME: 0035

# COMBINED DECLARATION/ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION

Title MODULAR PARALLEL TECHNIQUE FOR RESONANT CONVERTER				
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				
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: Hongliang WANG Date: Feb 22, 2018				
Signature: V2V5				
LEGAL NAME OF SECOND INVENTOR/ASSIGNOR				
Inventor: Yang CHEN Date: Feb 22, 2018				
Jan I China				
Signature:				

PATENT REEL: 045108 FRAME: 0036

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: Yan-Fei LIU	Date: <u>Feb 22, 2018</u>
Signature: Vam (Fe' Lin	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: Jahangir AFSHARIAN	Date: (eb/27/70/8
Signature:	
- January	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	-11.10
Inventor: Zhihua YANG	Date: Pab. /W/2018
Signature:	. , , ,
The state of the s	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	+1/-10
Inventor: Bing GONG	Date:
Signature: Gen B	· · · · · · · · · · · · · · · · · · ·
B = B	

PATENT REEL: 045108 FRAME: 0037

**RECORDED: 03/05/2018**