

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4870463

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KENGO ONAKA	02/23/2018
KATSUHITO KURODA	02/23/2018
YOSHIKI YAMADA	02/23/2018
RECEIVING PARTY DATA	
Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME, NAGAOKAKYO-SHI
City:	KYOTO
State/Country:	JAPAN
Postal Code:	617-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15923028
CORRESPONDENCE DATA	
Fax Number:	(216)579-6073
<i>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.</i>	
Phone:	216-579-1700
Email:	kfreeman@pearne.com
Correspondent Name:	PEARNE & GORDON LLP
Address Line 1:	1801 EAST 9TH STREET
Address Line 2:	SUITE 1200
Address Line 4:	CLEVELAND, OHIO 44114-3108
ATTORNEY DOCKET NUMBER:	MURATA-58693
NAME OF SUBMITTER:	AARON A. FISHMAN
SIGNATURE:	/Aaron A. Fishman/
DATE SIGNED:	03/16/2018
Total Attachments: 3	
source=MURATA-58693-DeclarationAssignment#page1.tif	
source=MURATA-58693-DeclarationAssignment#page2.tif	
source=MURATA-58693-DeclarationAssignment#page3.tif	

**DECLARATION AND ASSIGNMENT
FOR US UTILITY OR DESIGN PATENT APPLICATION**

Attorney Docket No.: MURATA-58693

As a below-named inventor, I hereby declare that:

this declaration is directed to the application entitled:

**VARIABLE PHASE SHIFTER, VARIABLE PHASE SHIFT CIRCUIT, RF FRONT-
END CIRCUIT, AND COMMUNICATION APPARATUS**

(check only one item below)

☐ attached hereto,

OR

☒ filed on (YYYY/MM/DD) 2016/06/29 as United States Application Number or PCT
International Application Number PCT/JP2016/069223.

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

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

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.

WHEREAS, new and useful improvements have been made by the undersigned as
described in the above-identified application.

WHEREAS, Murata Manufacturing Co., Ltd. having a place of business at 10-1,
Higashikotari 1-chome, Nagaokakyo-shi, Kyoto, 617-8555, Japan, hereafter referred to as
"assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and
under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and
sufficiency of which are hereby acknowledged, all right, title, and interest, in the United
States and throughout the world, in, to and under said improvements and inventions and all
patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and
therein, including without limitation said application for patent in the United States, all
divisions and continuations thereof, all patents which may be granted thereon, all reissues and
extensions thereof, all right to sue for past infringement thereunder, all patents which may be
granted for said improvements and inventions by states or nations other than the United
States, or by other authority, entity, or organization, and all applications therefor, have been
and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and

assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

Legal Name of Inventor: Kengo ONAKA

Signature of Inventor: Kengo Onaka

Date: February 23, 2018

[X] Signatures of additional inventors on attached sheet(s)

Notice to Inventor(s): A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

Notice to Inventor(s): A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Additional Inventor(s)

Legal Name of Inventor: Katsuhito KURODA

Signature of Inventor: Katsuhito Kuroda

Date: February 23 2018

Legal Name of Inventor: Yoshiki YAMADA

Signature of Inventor: Yoshiki Yamada

Date: February 23 2018