

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5231659

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAULI COLLIN	10/30/2018
KONSTA WJUGA	10/25/2018
LASSE AALTONEN	10/25/2018
RECEIVING PARTY DATA	
Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME
City:	NAGAOAKAKYO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	617-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16300167
CORRESPONDENCE DATA	
Fax Number:	(703)720-7801
<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:	703-720-7800
Email:	ipgeneraltyc@squirepb.com, jose.chang@squirepb.com
Correspondent Name:	SQUIRE PB (NVA/DC OFFICE)
Address Line 1:	8000 TOWERS CRESCENT DRIVE
Address Line 2:	14TH FLOOR
Address Line 4:	VIENNA, VIRGINIA 22182-6212
ATTORNEY DOCKET NUMBER:	059244.00176
NAME OF SUBMITTER:	DOUGLAS H. GOLDHUSH
SIGNATURE:	/Douglas H. Goldhush/
DATE SIGNED:	11/09/2018
Total Attachments: 2	
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source=059244_00176-Assignment#page2.tif	

U.S. ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

MURATA MANUFACTURING CO., LTD.
10-1, Higashikotari 1-chome
Nagaokakyo-shi, Kyoto 617-8555, Japan

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

A SECONDARY SENSE LOOP WITH FORCE FEEDBACK CAPABILITY

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

*filed on _____, Serial No. _____

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

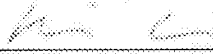
and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

 _____ (SIGNATURE)	Rauli COLLIN _____ (TYPE NAME)	10/30/2018 _____ (DATE)
_____ (SIGNATURE)	Konsta WJUGA _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Lasse AALTONEN _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED

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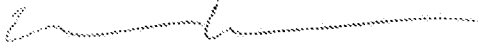

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The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

_____ (SIGNATURE)	Rauli COLLIN (TYPE NAME)	_____ (DATE)
 (SIGNATURE)	Konsta WJUGA (TYPE NAME)	25 Oct 2018 (DATE)
 (SIGNATURE)	Lasse AALTONEN (TYPE NAME)	25 Oct (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED

PATENT