

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5881592

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT T. CROSWELL	12/20/2019
BRUCE D. MUELLER	12/19/2019
RODGER W. CARUTHERS	12/19/2019
DUANE S. ANDRES	12/20/2019
RANDALL BRACE	12/19/2019
RECEIVING PARTY DATA	
Name:	MOTOROLA SOLUTIONS, INC.
Street Address:	500 WEST MONROE STREET
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60661
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16724733
CORRESPONDENCE DATA	
Fax Number:	(416)920-1350
<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:	416-920-8170
Email:	docketing@pckip.com
Correspondent Name:	PERRY + CURRIER INC. (FOR MSI)
Address Line 1:	1300 YONGE STREET
Address Line 2:	SUITE 500
Address Line 4:	TORONTO, CANADA M4T-1X3
ATTORNEY DOCKET NUMBER:	P9044US00
NAME OF SUBMITTER:	ZOYA TCHOKREV
SIGNATURE:	/Zoya Tchokrev/
DATE SIGNED:	12/23/2019
Total Attachments: 7	

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ROBERT T. CROSWELL**, residing in Elgin, State of Illinois, United States of America; **BRUCE D. MUELLER**, residing in Palatine, State of Illinois, United States of America; **RODGER W. CARUTHERS**, residing in Des Plaines, State of Illinois, United States of America; **DUANE S. ANDRES**, residing in Schaumburg, State of Illinois, United States of America; **RANDALL BRACE**, residing in Prospect Heights, State of Illinois, United States of America, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA SOLUTIONS, INC.**, a corporation of the State of Delaware, having its principal office in Chicago State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **DEVICE, SYSTEM AND METHOD FOR FREQUENCY HOPPING CONTROL** (Docket No **PAT24911-US-PRI**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any non-provisional, division, extension, continuation, re-examination, or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **MOTOROLA SOLUTIONS, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA SOLUTIONS, INC.**, for the sole use and benefit of **MOTOROLA SOLUTIONS, INC.**, its successors, assigns and legal representatives, to the full end of the term

for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to MOTOROLA SOLUTIONS, INC.

We agree that, when requested, we will, without charge to MOTOROLA SOLUTIONS, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Robert T. Crosswell
ROBERT T. CROSWELL

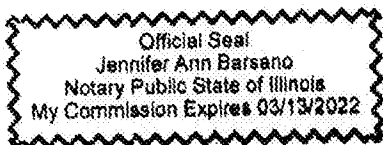
DATE: 12/20/2019

STATE OF
COUNTY OF

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **ROBERT T. CROSWELL** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20 day of December, 2019.

My commission expires:



Jennifer Ann Barsano
Notary Public Signature
JENNIFER ANN BARSANO
Printed Name of Notary Public

ROBERT T. CROSWELL

DATE: _____

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

Bruce D. Mueller
BRUCE D. MUELLER

DATE: 12/19/19

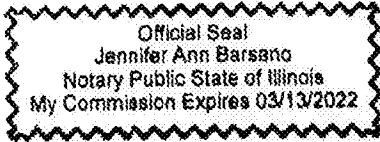
STATE OF

COUNTY OF

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **BRUCE D. MUELLER** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 19 day of December, 2019.

My commission expires:



Jennifer Ann Barsano
Notary Public Signature

JENNIFER ANN BARSANO
Printed Name of Notary Public

OR

BRUCE D. MUELLER

DATE: _____

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

Rodger W. Caruthers
RODGER W. CARUTHERS

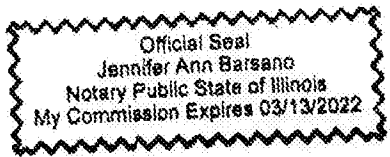
DATE: 12/19/2019

STATE OF
COUNTY OF

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **RODGER W. CARUTHERS** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 19 day of December, 2019.

My commission expires:



Jennifer Ann Barsano
Notary Public Signature
JENNIFER ANN BARSANO
Printed Name of Notary Public

OR

RODGER W. CARUTHERS

DATE: _____

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

Randall Brace
RANDALL BRACE

DATE: 12/19/2019

STATE OF
COUNTY OF

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that RANDALL BRACE whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 19 day of December, 2019.

My commission expires:



Jennifer Ann Barsano
Notary Public Signature
JENNIFER ANN BARSANO
Printed Name of Notary Public

OR

RANDALL BRACE

DATE: _____

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness

WITNESS SIGNATURE

DATE: _____

Printed Name of Witness