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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| PATRICK C. MATHES   | 12/20/2018   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | MOTOROLA SOLUTIONS, INC.   |
| <b>Street Address:</b>  | 500 W. MONROE STREET   |
| <b>City:</b>  | CHICAGO  |
| <b>State/Country:</b>   | ILLINOIS   |
| <b>Postal Code:</b>   | 60661  |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 16231256   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (414)277-0656  |
| <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> |  |
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| <b>Correspondent Name:</b>  | MICHAEL BEST & FRIEDRICH LLP (MOTOROLA S   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | PAT23192-US-PRI  |
| <b>NAME OF SUBMITTER:</b>   | DEREK C. STETTNER  |
| <b>SIGNATURE:</b>   | /derek c. stettner/  |
| <b>DATE SIGNED:</b>   | 12/21/2018   |
| <b>Total Attachments: 2</b>   |  |
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| source=24860402_PAT23192-US-PRI_EXECUTED_ASSIGNMENT_AS_FILED#page2.tif  |  |

**ASSIGNMENT AND AGREEMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **PATRICK C. MATHES**, residing in Crystal Lake, 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 **METHOD FOR SYNCHRONIZING RADIO FREQUENCY CARRIER CORRECTION OF DYNAMIC RADIO FREQUENCY CARRIERS**, (Docket No. **PAT23192-US-PRI**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by me on the date indicated by my signature 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.

I 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 I 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.

I 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.**

I agree that, when requested, I 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.

I 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.

*Patrick C. Mathes*

PATRICK C. MATHES

DATE: 20 DEC 2018

STATE OF ILLINOIS

COUNTY OF McHenry

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that PATRICK C. MATHES, 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<sup>th</sup> day of December, 2018.

My commission expires: 10/05/2022

*Raul Soria III*  
Notary Public Signature

Raul Soria III  
Printed Name of Notary Public

