

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2983269

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
UDAR MITTAL	08/14/2014
JAMES P. ASHLEY	08/14/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MOTOROLA MOBILITY LLC
<b>Street Address:</b>	222 WEST MERCHANDISE MART PLAZA
<b>Internal Address:</b>	SUITE 1800
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60654
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14460452
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)291-4033
<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>	
<b>Phone:</b>	2246458413
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<b>Correspondent Name:</b>	MOTOROLA MOBILITY LLC
<b>Address Line 1:</b>	222 WEST MERCHANDISE MART PLAZA
<b>Address Line 2:</b>	SUITE 1800
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60654
<b>ATTORNEY DOCKET NUMBER:</b>	CS42546
<b>NAME OF SUBMITTER:</b>	NANETTE B. ORR
<b>SIGNATURE:</b>	/Nanette B. Orr/
<b>DATE SIGNED:</b>	08/15/2014
<b>Total Attachments: 4</b>	
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<b>PATENT</b>	

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **UDAR MITTAL, ROLLING MEADOWS, ILLINOIS AND JAMES P. ASHLEY, NAPERVILLE, ILLINOIS**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY LLC, a Limited Liability Company 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 entitled "**Method For Coding Pulse Vectors Using Statistical Properties**" as described, illustrated in Disclosure ID (66772) CS42546 and as described, illustrated and claimed in the following applications:

- 1.) U.S. Application filed herewith entitled "**METHOD FOR CODING PULSE VECTORS USING STATISTICAL PROPERTIES.**"

I hereby also sell, assign and transfer unto Assignee, 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 Assignee 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 also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters

Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, 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 I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

*Udar Mittal*  
UDAR MITTAL

DATE: 14<sup>th</sup> Aug 2014

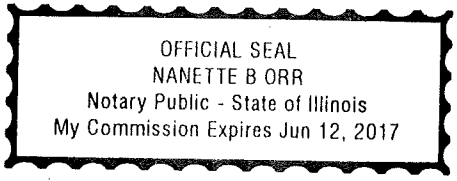
STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that UDAR MITTAL 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 14<sup>th</sup> day of August, 2014.

My commission expires:

*Nanette B. Orr*  
Notary Public Signature  
Nanette B. Orr  
Printed Name of Notary Public



James P. Ashley  
JAMES P. ASHLEY

DATE: 8/14/2014

STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that JAMES P. ASHLEY 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 14th day of August, 2014.

My commission expires:

Nanette B. Orr  
Notary Public Signature

Nanette B. Orr  
Printed Name of Notary Public

