

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3445418

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KRISHNA KAMAL SAYANA	06/16/2009
TYLER BROWN	06/17/2009
XIANGYANG ZHUANG	06/04/2009
RECEIVING PARTY DATA	
Name:	MOTOROLA, INC.
Street Address:	1303 E. ALGONQUIN ROAD
Internal Address:	IL01-3RD FLOOR
City:	SCHAUMBURG
State/Country:	ILLINOIS
Postal Code:	60196
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14751496
CORRESPONDENCE DATA	
Fax Number:	(908)654-7866
<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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Email:	Assignment@ldlkm.com
Correspondent Name:	LDLK&M
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Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	GOOGLE 3.0-1619 CON I CON
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	07/20/2015
Total Attachments: 4	
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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Krishna Kamal SAYANA, Arlington Heights, ILLINOIS; Tyler BROWN, Mundelein, ILLINOIS; and Xlangyang ZHUANG, Lake Zurich, ILLINOIS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, 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 OF SIGNALING PARTICULAR TYPES OF RESOURCE ELEMENTS IN A WIRELESS COMMUNICATION SYSTEM** (Docket No. **CS36793** (041-0161)), described, illustrated and claimed in an application for Letters Patent of the United States of America Application No.: **12/431,305**, filed **04/28/2009**, 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 division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA, 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, 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, INC.**, for the sole use and benefit of **MOTOROLA, 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, INC.**

We agree that, when requested, we will, without charge to MOTOROLA, 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, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA, 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.

Krishna Kamal Sayana
Krishna Kamal SAYANA

DATE: JUNE 16, 2009

STATE OF Illinois)
COUNTY OF Lake)ss

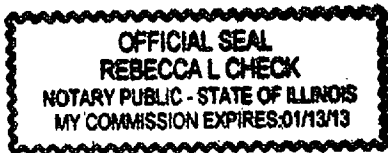
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Krishna Kamal SAYANA**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and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

Given under my hand and notarial seal this 16th day of June, 2009.

My commission expires:

Rebecca L Check
Notary Public Signature

REBECCA L CHECK
Printed Name of Notary Public



Docket No.: 041-0161
CS36793

Tyler Brown
Tyler BROWN

DATE: 6/17/09

STATE OF Illinois)
COUNTY OF Lake)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Tyler BROWN**, 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 17th day of June, 2009.

My commission expires:

Rebecca L Check
Notary Public Signature

REBECCA L CHECK
Printed Name of Notary Public



Docket No.: 041-0161
CS36793


Xiangyang ZHUANG

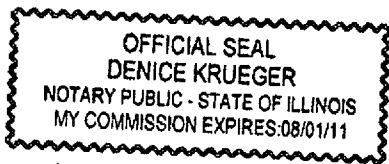
DATE: 06/04/2009

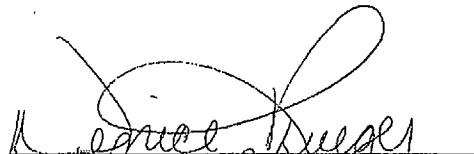
STATE OF Illinois)
)ss
COUNTY OF LaSalle)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Xiangyang ZHUANG**, 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 4th day of June, 2009.

My commission expires:




Notary Public Signature
Denice Krueger
Printed Name of Notary Public

Docket No.: 041-0161
CS36793