

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hyejung Jung</td> <td>08/31/2012</td> </tr> <tr> <td>Colin D. Frank</td> <td>09/06/2012</td> </tr> <tr> <td>Sandeep H. Krishnamurthy</td> <td>09/05/2012</td> </tr> <tr> <td>Vijay Nangia</td> <td>08/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hyejung Jung	08/31/2012	Colin D. Frank	09/06/2012	Sandeep H. Krishnamurthy	09/05/2012	Vijay Nangia	08/31/2012
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Colin D. Frank	09/06/2012										
Sandeep H. Krishnamurthy	09/05/2012										
Vijay Nangia	08/31/2012										
RECEIVING PARTY DATA											
Name:	Motorola Mobility LLC										
Street Address:	600 North US Highway 45										
City:	Libertyville										
State/Country:	ILLINOIS										
Postal Code:	60048										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13587314</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13587314						
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Application Number:	13587314										
CORRESPONDENCE DATA											
Fax Number:	8475232350										
Phone:	8475231276										
Email:	docketing.mobility@motorola.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Motorola Mobility LLC										
Address Line 1:	600 North US Highway 45										
Address Line 4:	Libertyville, ILLINOIS 60048										
ATTORNEY DOCKET NUMBER:	CS38682										
NAME OF SUBMITTER:	Nanette B. Orr										
Total Attachments: 6											

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **HYEJUNG JUNG, PALATINE, ILLINOIS; COLIN D. FRANK, PARK RIDGE, ILLINOIS; SANDEEP H. KRISHNAMURTHY, MOUNTAIN VIEW, CALIFORNIA AND VIJAY NANGIA, ALGONQUIN, 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 Libertyville, 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 "**Methods for Mitigating Self-Interference in Carrier Aggregation User Equipments**" as described, illustrated in Motorola Disclosure ID **(62869) CS38682** and as described, illustrated and claimed in the following applications:

- 1.) U.S. Application No. **13/587314**, filed on **August 16, 2012** entitled "**SELF-INTERFERENCE HANDLING IN A WIRELESS COMMUNICATION TERMINAL SUPPORTING CARRIER AGGREGATION**"; and
2. U.S. Application No. **61/524139**, filed on **August 16, 2011** entitled "**SELF-INTERFERENCE HANDLING IN A WIRELESS COMMUNICATION TERMINAL SUPPORTING CARRIER AGGREGATION.**"

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.

*Hyejung Jung*

DATE: 8/31/2012

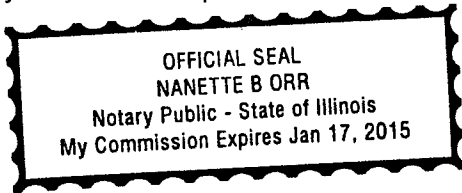
Hyejung Jung

STATE OF Illinois )  
COUNTY OF hoke )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Hyejung Jung 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 31st day of August 2012.

My commission expires:



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

Colin D. Frank  
Colin D. Frank

DATE: September 6, 2012

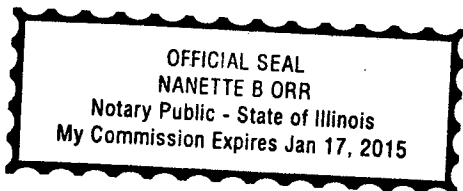
STATE OF Illinois )  
COUNTY OF Walke )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Colin D. Frank 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 6th day of September, 2012.

My commission expires:

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



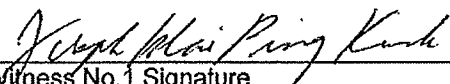
  
Sandeep H. Krishnamurthy

DATE: Sept 5, 2012

Signed In:

City: Sunnyvale, CA

Country: USA

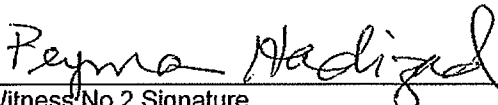
  
Witness No.1 Signature

Date: Sept 5, 2012

Joseph H. Kwok  
Witness No.1 Name

San Francisco  
Witness No.1 Residential Address

Witness No.1 Residential Address

  
Witness No.2 Signature

Date: Sept. 5, 2012

REYMAN HADZARD  
Witness No.2 Name

Redwood City, CA  
Witness No.2 Residential Address

Witness No.2 Residential Address

Vijay Nangia  
Vijay Nangia

DATE: 8/31/12

STATE OF Illinois )  
COUNTY OF halse )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Vijay Nangia 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 31st day of August, 2012.

My commission expires:

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

