

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Murali Narasimha</td> <td>03/01/2011</td> </tr> <tr> <td>Sandeep H. Krishnamurthy</td> <td>03/01/2011</td> </tr> <tr> <td>Ravi Kuchibhotla</td> <td>03/01/2011</td> </tr> </tbody> </table>		Name	Execution Date	Murali Narasimha	03/01/2011	Sandeep H. Krishnamurthy	03/01/2011	Ravi Kuchibhotla	03/01/2011				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Motorola Mobility, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>600 North US Hwy 45</td> </tr> <tr> <td>Internal Address:</td> <td>W2-55BB</td> </tr> <tr> <td>City:</td> <td>Libertyville</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60048</td> </tr> </table>		Name:	Motorola Mobility, Inc.	Street Address:	600 North US Hwy 45	Internal Address:	W2-55BB	City:	Libertyville	State/Country:	ILLINOIS	Postal Code:	60048
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CORRESPONDENCE DATA													
<p>Fax Number: (847)523-2350</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 847-523-2345</p> <p>Email: DOCKETING.MOBILITY@MOTOROLA.COM</p> <p>Correspondent Name: MOTOROLA MOBILITY, INC</p> <p>Address Line 1: 600 NORTH US HIGHWAY 45</p> <p>Address Line 2: W2-55BB</p> <p>Address Line 4: LIBERTYVILLE, ILLINOIS 60048-5343</p>													
ATTORNEY DOCKET NUMBER:	CS38406												
NAME OF SUBMITTER:	Becky Check												
Total Attachments: 8													

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PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **MURALI NARASIMHA, LAKE ZURICH, IL; SANDEEP H. KRISHNAMURTHY, ARLINGTON HEIGHTS, IL; AND RAVI KUCHIBHOTLA, GURNEE, IL;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY, INC., a corporation 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 “**Measurement of Secondary Component Carriers during Carrier Aggregation**” as described and illustrated in **Motorola Disclosure ID (62592)** and as described, illustrated and claimed in the following:

- 1.) **U.S. Non-Provisional Application No. 13/031,401, Confirmation No. 4836** filed on **February 21, 2011** entitled “**SIGNAL MEASUREMENT ON COMPONENT CARRIERS IN WIRELESS COMMUNICATION SYSTEMS**” (**Attorney Docket No. CS38406**),

together with the entire right, title and interest in and to the applications, and in and to Letters Patent which may be issued upon the application(s) or any application(s) claiming priority thereto, and upon any divisions, extensions, continuations, reissues or re-examinations of such applications.

We 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, including any applications specifically 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 applications, and upon any divisions, extensions, continuations, reissues and/or re-examinations thereof.

We 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.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application(s), 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 us 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 Assignee.

We agree that, when requested, we 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.

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

Date 3/1/2011

STATE OF IL)
COUNTY OF Lake)ss)

Given under my hand and notarial seal this 15 day of March, 2011.

**OFFICIAL SEAL
NANETTE B ORR
Notary Public - State of Illinois
My Commission Expires Jan 17, 2015**

Notary Public Signature
Printed Name of Notary Public

Sandeep H. Krishnamurthy

Date

STATE OF IL)
)ss
COUNTY OF)

Given under my hand and notarial seal this _____ day of _____, 2011.

Notary Public Signature

Printed Name of Notary Public

Ravi Kuchibhotla

Date

STATE OF IL)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ravi Kuchibhotla, 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 _____ day of _____, 2011.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **MURALI NARASIMHA, LAKE ZURICH, IL; SANDEEP H. KRISHNAMURTHY, ARLINGTON HEIGHTS, IL; AND RAVI KUCHIBHOTLA, GURNEE, IL;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA MOBILITY, INC.**, a corporation 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 **“Measurement of Secondary Component Carriers during Carrier Aggregation”** as described and illustrated in **Motorola Disclosure ID (62592)** and as described, illustrated and claimed in the following:

- 1.) **U.S. Non-Provisional Application No. 13/031,401, Confirmation No. 4836** filed on **February 21, 2011** entitled **“SIGNAL MEASUREMENT ON COMPONENT CARRIERS IN WIRELESS COMMUNICATION SYSTEMS”** (**Attorney Docket No. CS38406**),

together with the entire right, title and interest in and to the applications, and in and to Letters Patent which may be issued upon the application(s) or any application(s) claiming priority thereto, and upon any divisions, extensions, continuations, reissues or re-examinations of such applications.

We 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, including any applications specifically 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 applications, and upon any divisions, extensions, continuations, reissues and/or re-examinations thereof.

We 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.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application(s), 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 us 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 Assignee.

We agree that, when requested, we 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.

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

Murali Narasimha

Date

STATE OF IL)
)ss
COUNTY OF)

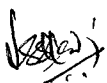
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Murali Narasimha, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this _____ day of _____, 2011.

My commission expires:

Notary Public Signature

Printed Name of Notary Public



Sandeep H. Krishnamurthy

3/1/11

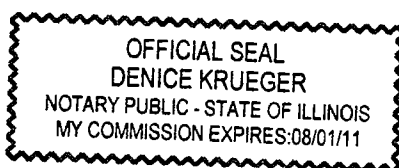
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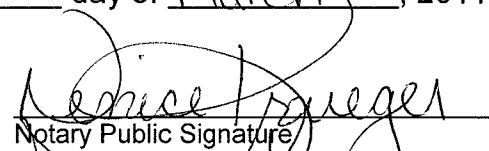
STATE OF IL)
)ss
COUNTY OF Lake)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Sandeep H. Krishnamurthy, 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 1st day of March, 2011.

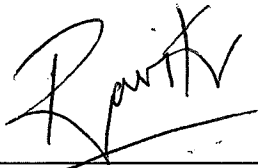
My commission expires:





Notary Public Signature
Denice Krueger

Printed Name of Notary Public



Ravi Kuchibhotla

3/1/2011

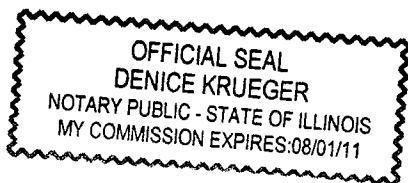
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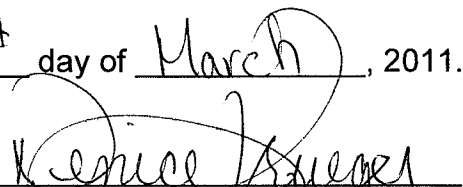
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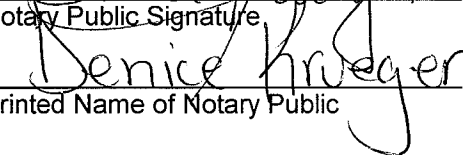
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ravi Kuchibhotla, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 1st day of March, 2011.

My commission expires:





Notary Public Signature


Printed Name of Notary Public