

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Ravikiran Nory</td> <td>08/06/2012</td> </tr> <tr> <td>Ravi Kuchibhotla</td> <td>08/24/2012</td> </tr> <tr> <td>Robert T Love</td> <td>08/06/2012</td> </tr> <tr> <td>Vijay Nangia</td> <td>08/08/2012</td> </tr> <tr> <td>Murali Narasimha</td> <td>08/06/2012</td> </tr> <tr> <td>Ajit Nimbalker</td> <td>08/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ravikiran Nory	08/06/2012	Ravi Kuchibhotla	08/24/2012	Robert T Love	08/06/2012	Vijay Nangia	08/08/2012	Murali Narasimha	08/06/2012	Ajit Nimbalker	08/24/2012
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Motorola Mobility LLC</td> </tr> <tr> <td>Street Address:</td> <td>600 North US Highway 45</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 LLC	Street Address:	600 North US Highway 45	City:	Libertyville	State/Country:	ILLINOIS	Postal Code:	60048				
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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>13566381</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13566381										
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Application Number:	13566381														
CORRESPONDENCE DATA															
Fax Number:	8475232350														
Phone:	8475232345														
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:	CS40546														

NAME OF SUBMITTER:

Denice Krueger

Total Attachments: 7

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PATENT

REEL: 028857 FRAME: 0847

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on the date indicated by my signature below, **RAVIKIRAN NORY, RAVI KUCHIBHOTLA, ROBERT T. LOVE, VIJAY NANGIA, MURALI NARASIMHA and AJIT NIMBALKER** whose residence is indicated adjacent the signature below, (the "Assignor"), hereby acknowledge that I 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 "Assignee"), the entire right, title and interest in and to certain inventions entitled "**Methods for Receiving a Control Channel**" as described, illustrated in Motorola Disclosure ID. **(64778) CS40546** and as described, illustrated and claimed in the following applications:

U.S. Application No. **13/566,381**, filed on **August 3, 2012** entitled "**Method and Apparatus for Receiving a Control Channel**";

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.

[Signature]

RAVIKIRAN NORY

AUG-06-2012
DATE

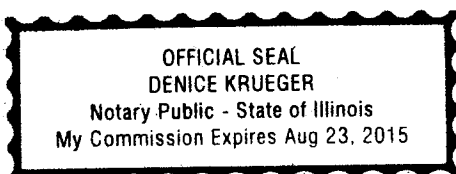
BUFFALO GROVE, ILLINOIS

STATE OF ILLINOIS)
) ss
COUNTY OF Lake)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **RAVIKIRAN NORY**, 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 August, 2012.

My commission expires:



[Signature]
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

Ravi K
RAVI KUCHIBHOTLA

8/24/2012
 DATE

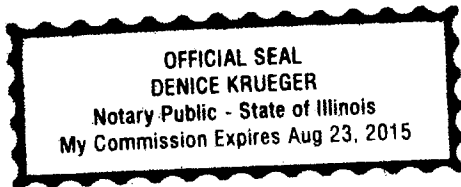
GURNEE, ILLINOIS

STATE OF ILLINOIS)
) ss
 COUNTY OF Lake)

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 24th day of August, 2012.

My commission expires:



Denice Krueger
 Notary Public Signature
Denice Krueger
 Printed Name of Notary Public

Robert T. Love
ROBERT T. LOVE

6 AUG 2012
DATE

BARRINGTON, ILLINOIS

STATE OF ILLINOIS)
) ss
COUNTY OF Lake)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **ROBERT T. LOVE**, 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 August, 2012.

My commission expires:



Denice Krueger
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

Vijay Nangia
VIJAY NANGIA

Aug 8, 2012.
 DATE

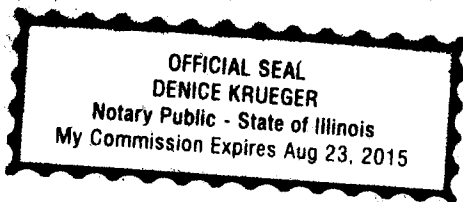
ALGONQUIN, ILLINOIS

STATE OF ILLINOIS)
) ss
 COUNTY OF Lake)

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 8th day of August, 2012.

My commission expires:



Denice Krueger
 Notary Public Signature

Denice Krueger
 Printed Name of Notary Public

M. Narasimha
MURALI NARASIMHA

Aug 6 2012
 DATE

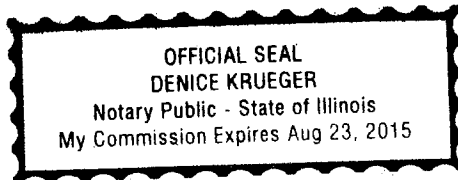
LAKE ZURICH, ILLINOIS

STATE OF ILLINOIS)
) ss
 COUNTY OF Lake)

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 6th day of August, 2012.

My commission expires:



Denice Krueger
 Notary Public Signature
Denice Krueger
 Printed Name of Notary Public

Ajit Nimbalkar

AJIT NIMBALKER

Aug 24 2012
DATE

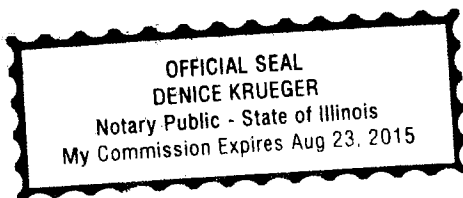
BUFFALO GROVE, ILLINOIS

STATE OF ILLINOIS)
COUNTY OF Lake) ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **AJIT NIMBALKER**, 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 24th day of August, 2012.

My commission expires:



Denice Krueger
Notary Public Signature

Denice Krueger
Printed Name of Notary Public