

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Kenneth A. Stewart	05/04/2011
Colin D. Frank	05/04/2011
Sandeep H. Krishnamurthy	05/04/2011
Ravi Kuchibhotla	05/04/2011
Robert T. Love	05/04/2011
Ajit Nimbalker	05/04/2011
Ravikiran Nory	05/04/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Motorola Mobility, Inc.
<b>Street Address:</b>	600 North US Highway 45
<b>City:</b>	Libertyville
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60048
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13100701
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(847)523-2350
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	8475231276
<b>Email:</b>	docketing.mobility@motorola.com
<b>Correspondent Name:</b>	Motorola Mobility, Inc.
<b>Address Line 1:</b>	600 North US Highway 45
<b>Address Line 4:</b>	Libertyville, ILLINOIS 60048
<b>ATTORNEY DOCKET NUMBER:</b>	CS38347

CH \$40.00 13100701

**501520599**

**PATENT  
 REEL: 026225 FRAME: 0343**

NAME OF SUBMITTER:

Nanette B. Orr

**Total Attachments: 9**

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PATENT

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **KENNETH A. STEWART, GRAYSLAKE, ILLINOIS; COLIN D. FRANK, PARK RIDGE, ILLINOIS; SANDEEP H. KRISHNAMURTHY, ARLINGTON HEIGHTS, ILLINOIS; RAVI KUCHIBHOTLA, GURNEE, ILLINOIS; ROBERT T. LOVE, BARRINGTON, ILLINOIS; AJIT NIMBALKER, BUFFALO GROVE, ILLINOIS AND RAVIKIRAN NORY, BUFFALO GROVE, ILLINOIS** 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 **"Hybrid TVWS and Cellular Networks"** as described, illustrated in Motorola Disclosure ID **(62526) CS38347** and as described, illustrated and claimed in the following applications:

- 1.) U.S. Application filed herewith entitled **"METHOD AND APPARATUS FOR PROVIDING USER EQUIPMENT ACCESS TO TV WHITE SPACE RESOURCES BY A BROADBAND CELLULAR NETWORK."**

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.

Kenneth A. Stewart  
Kenneth A. Stewart

DATE: 4 MAY 2011

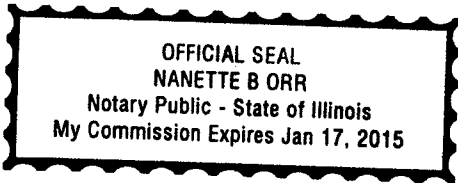
STATE OF Illinois )  
COUNTY OF Lake )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Kenneth A. Stewart 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 May, 2011.

My commission expires:

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



Colin D. Frank  
Colin D. Frank

DATE: May 4, 2011

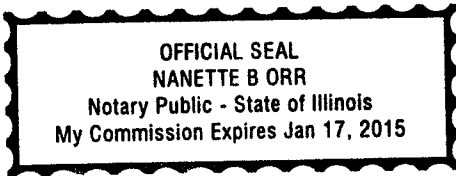
STATE OF Illinois )  
COUNTY OF Keokuk )ss

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 4th day of May, 2011.

My commission expires:

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



*[Signature]*  
Sandeep H. Krishnamurthy

DATE: May 4, 2011

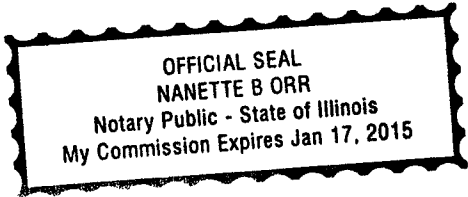
STATE OF Illinois )  
COUNTY OF habe )ss

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 4<sup>th</sup> day of May, 2011.

My commission expires:

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



*Ravi Kuchibhotla*

Ravi Kuchibhotla

DATE: May 4, 2011

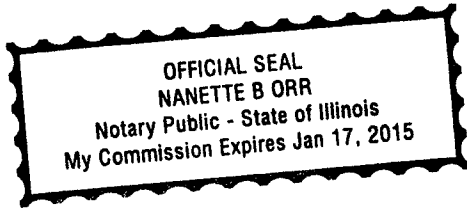
STATE OF Illinois )  
COUNTY OF Lake )ss

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 4th day of May, 2011.

My commission expires:

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





Robert T Love  
Robert T. Love

DATE: 4 MAY 2011

STATE OF Illinois )  
COUNTY OF hoke )ss

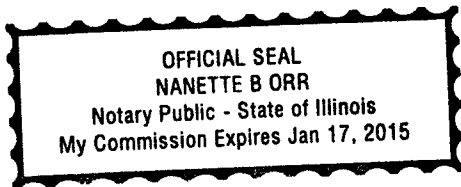
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Robert T. Love whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 4th day of May, 2011.

My commission expires:

Nanette B. Orr  
Notary Public Signature

Nanette B. Orr  
Printed Name of Notary Public



Ajit Nimbalkar  
Ajit Nimbalkar

DATE: May 4 2011

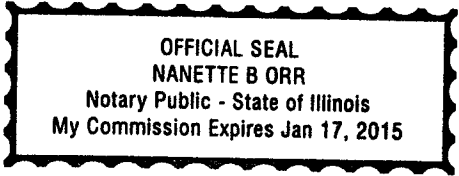
STATE OF Illinois )  
COUNTY OF Lake )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ajit Nimbalkar 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 May, 2011.

My commission expires:

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



Spent.  
Ravikiran Nory

DATE : 4-MAY-2011

STATE OF Illinois )  
COUNTY OF hoke )ss

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 4th day of May, 2011.

My commission expires:

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

