

**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>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Avinash Joshi</td> <td>06/20/2007</td> </tr> <tr> <td>Manish Shukla</td> <td>06/20/2007</td> </tr> </tbody> </table>		Name	Execution Date	Avinash Joshi	06/20/2007	Manish Shukla	06/20/2007
Name	Execution Date						
Avinash Joshi	06/20/2007						
Manish Shukla	06/20/2007						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	Motorola, Inc.						
<b>Street Address:</b>	1303 E. Algonquin Road						
<b>Internal Address:</b>	IL01-3rd Floor						
<b>City:</b>	Schaumburg						
<b>State/Country:</b>	ILLINOIS						
<b>Postal Code:</b>	60196						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11767171</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11767171		
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Application Number:	11767171						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(954)723-3871						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Phone:</b>	954-723-6449						
<b>Email:</b>	docketing.florida@motorola.com						
<b>Correspondent Name:</b>	Motorola. Inc.						
<b>Address Line 1:</b>	8000 West Sunrise Boulevard						
<b>Address Line 2:</b>	Law Department, MD 1610						
<b>Address Line 4:</b>	Plantation, FLORIDA 33322						
<b>ATTORNEY DOCKET NUMBER:</b>	CM10652AHN						
<b>NAME OF SUBMITTER:</b>	Randi L. Karpinia						

Total Attachments: 3  
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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **AVINASH JOSHI, LAKE MARY, FLORIDA and MANISH SHUKLA, ALTAMONTE SPRINGS, FLORIDA**, 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 **OPTIMIZING POSITIONS OF TIME SLOTS IN A HYBRID TIME DIVISION MULTIPLE ACCESS (TDMA)-CARRIER SENSE MULTIPLE ACCESS (CSMA) MEDIUM ACCESS CONTROL (MAC) FOR MULTI-HOP AD HOC NETWORKS** (Docket No. **CM10652AHN**, described, illustrated and claimed in an application for Letters Patent of the United States of America 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.

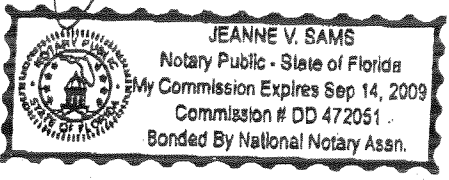
*Avinash Joshi*  
Avinash Joshi

DATE: 06/20/07

STATE OF Florida )  
COUNTY OF Orange )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Avinash Joshi**, 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 20 day of June, 2007.



*Jeanne V. Sams*  
Notary Public  
Jeanne V. Sams

Manish Shukla

Manish Shukla

DATE: 06/20/2007

STATE OF Florida )

COUNTY OF Duval )<sup>ss</sup>

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **Manish Shukla**, 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 20 day of June, 2007.

My commission expires:

[Signature]  
Notary Public Signature  
Jeanne V. Sams  
Printed Name of Notary Public

