

Form PTO-1595 (Rev. 06/04)  
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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET

PATENTS ONLY

Express Mail No.

Docket No. CS28885 (001.5043)

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Hidenori Akita February 10, 2006  
Kevin L. Baum February 20, 2006  
Brian K. Classon February 20, 2006  
Masaya Fukuta February 10, 2006  
Hiroshi Hayashi February 10, 2006  
Vijay Nangia February 21, 2006  
Robert T. Love March 17, 2006  
Kenneth A. Stewart March 16, 2006  
Execution Date(s) 2/10/06, 2/20/06, 2/21/06, 3/16/06  
3/17/2006

Additional name(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies)

Name: Motorola, Inc.

Internal Address: \_\_\_\_\_

Street Address: 1303 E. Algonquin Road, 3<sup>rd</sup> Floor

City: Schaumburg

State: IL

Country: United States Zip: 60196

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application or patent number(s):

A. Patent Application No.(s) 11/351,304

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Customer No. 29,906

Name: William E. Koch

Ingrassia Fisher & Lorenz, P.C.

Internal Address: \_\_\_\_\_

Street Address: 7150 E. Camelback Rd., Ste. 325

City: Scottsdale

State: AZ Zip: 85251

Phone Number: (480) 385-5060

Fax Number: (480) 385-5061

Email Address: bkoch@ifilaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-2091

Authorized User Name \_\_\_\_\_

9. Signature: William E. Koch

Signature

27 March 06

Date

William E. Koch Reg. No. 29,659

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

10

CH \$40.00 502091 11361304

## PATENT

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Hidenori Akita, Tokyo, JAPAN; Kevin L. Baum, Rolling Meadows, ILLINOIS; Brian K. Classon, Palatine, ILLINOIS; Masaya Fukuta, Tokyo-To; JAPAN; Hiroshi Hayashi, Tokyo, JAPAN; Vijay Nangia, Algonquin, ILLINOIS; Robert T. Love of Barrington, ILLINOIS; and Kenneth A. Stewart of Grayslake, ILLINOIS**, 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 **METHOD AND APPARATUS FOR A SYNCHRONIZATION CHANNEL IN AN OFDMA SYSTEM** (Docket No. **CS28885 (001.5043)**), 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 us had this

PATENT

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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.

HIDENORI AKITA

DATE: 02/10/2006

Hidenori Akita

Tetsu Ikeda

DATE: 2/13/2006

WITNESS 1

Wahneema Lubiano

DATE: Feb 12, 2006

WITNESS 2

Kevin Baum

DATE: 2-20-2006

Kevin L. Baum

STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Kevin L. Baum 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<sup>th</sup> day of February, 2006.

My commission expires: 07-14-07

Maryann Casper  
Notary Public Signature

MARYANN CASPER  
Printed Name of Notary Public



*BKC*

Brian K. Classon

DATE: 2-20-06

STATE OF ILLINOIS )  
COUNTY OF Cook )<sup>ss</sup>

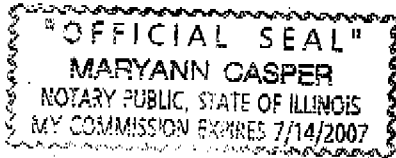
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Brian K. Classon whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 20<sup>th</sup> day of February, 2006.

My commission expires: 07-14-07

*Maryann Casper*  
Notary Public Signature

MARYANN CASPER  
Printed Name of Notary Public



福田雅也

Masaya Fukuta

DATE: 2006/2/10

池田 邦

WITNESS 1

DATE: 2006/2/10

Sal Bohari Mollah

WITNESS 2

DATE: 2006/02/10

林 宏

Hiroshi Hayashi

DATE: 02/10/2006

池田 邦

WITNESS 1

DATE: 2/10/2006

Michael Kollah

WITNESS 2

DATE: 2006/02/10

Vijay Nangia  
Vijay Nangia

DATE: 2/21/06

STATE OF ILLINOIS            )  
  )ss  
COUNTY OF Cook            )

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 21<sup>ST</sup> day of February, 2006.

My commission expires: 11-28-2009

Debra L. Healy  
Notary Public Signature

Debra L. Healy  
Printed Name of Notary Public





Robert T. Love

DATE: 17 March 2006

Robert T. Love

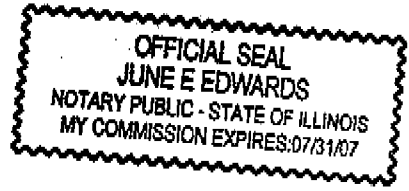
STATE OF ILLINOIS )  
COUNTY OF Lake )ss

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 17 day of March, 2006.

My commission expires: 07/31/07

June E. Edwards  
Notary Public Signature  
JUNE E. EDWARDS  
Printed Name of Notary Public



*Kenneth A. Stewart*

Kenneth A. Stewart

DATE: 16 March 2006

STATE OF ILLINOIS )  
COUNTY OF Lake )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 16 day of March, 2006.

My commission expires: 07/31/07

*June E. Edwards*  
Notary Public Signature  
JUNE E. EDWARDS  
Printed Name of Notary Public

