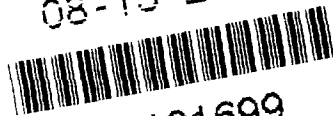


08-15-2002

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102191699

JC971 U.S. PTO
10/212940

To the Honorable Commissioner of Patents and T

1 Name of conveying party(ies):
Raghavan Subramaniyan
Bhavan Gandhi

08/06/02

2 Name and address of receiving party(ies)

Name: Motorola, Inc.Internal Address: Law Department

Additional name(s) of conveying party(ies) attached?

☐

Yes

☐

No

Street Address: 1303 East Algonquin RoadCity: Schaumburg State: IL Zip: 60196

3 Name of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: 08/02/02, 08/02/02

Additional name(s) & address(es) attached?

☐

Yes

☐

No

4 Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is 08/02/02, 08/02/02

A. Patent Application No.(s)

B. Patent No.(s)

10/212940

Additional numbers attached?

☐

Yes

☐

No

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

Name: MOTOROLA, INC.Internal Address: IL 93 AN475Street Address: 600 North U.S. Highway 45

6 Total number of applications and patents involved:

1

7 Total fee (37 CFR 3.41) \$40.00☐ Enclosed☒ Authorized to be charged to deposit account8 Deposit account number: 13-4768

(Attach duplicate copy of this page if paying by deposit account.)

08/14/2002 DBYRNE 00000057 134768 10212940

01 FC:581 City: Libertyville CHState: IllinoisZip: 60048**DO NOT USE THIS SPACE**

9 Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Matthew C. Loppnow

Name of Person Signing

Signature

8/6/02
DateTotal number of pages including cover sheet, attachments, and documents: ☐

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RAGHAVAN SUBRAMANIYAN, SCHAUMBURG, IL** and **BHAVAN GANDHI, VERNON HILLS, IL** 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 PERFORMING HIGH QUALITY FAST PREDICTIVE MOTION SEARCH** (Docket No. **CS21235RL**), 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.

CS21235RL

1

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.



RAGHAVAN SUBRAMANIYAN

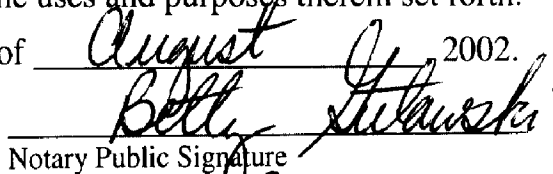
DATE: Aug 2, 2002

STATE OF ILLINOIS
COUNTY OF

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Raghavan Subramaniyan 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.

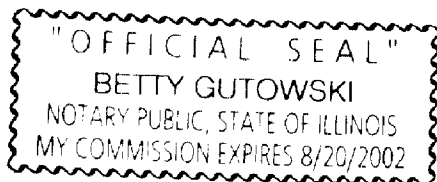
Given under my hand and notarial seal this 2nd day of August, 2002.

My commission expires: 8-20-02



Notary Public Signature

BETTY GUTOWSKI
Printed Name of Notary Public



CS21235RL

2

PATENT
REEL: 013180 FRAME: 0395

Bhavan Gandhi
BHAVAN GANDHI

DATE: 8/2/2002

STATE OF ILLINOIS
COUNTY OF

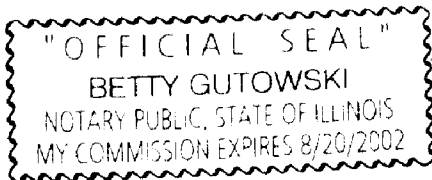
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Bhavan Gandhi whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 2nd day of August, 2002.

My commission expires: 8-20-02

Betty Gutowski
Notary Public Signature

BETTY GUTOWSKI
Printed Name of Notary Public



CS21235RL
3