

12-20-2004

DEPARTMENT OF COMMERCE
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RECORD

PATENT 103907723

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):

JAMES WANG

Execution Date(s) December 8, 2004

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Research in Motion Limited

Internal Address: _____

Street Address: 295 Philip Street

City: Waterloo

State: Ontario

Country: Canada Zip: N2L 3W8

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Brij K. Agarwal

Internal Address: Eckert Seamans Cherin & Mellot, LLC

Street Address: 600 Grant Street, 44th Floor

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-566-6000

Fax Number: 412-566-6609

Email Address: ipmail@eckertseamans.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 02-2556

Authorized User Name Brij K. Agarwal

9. Signature:

Brij K. Agarwal

Signature

December 9, 2004

Date

Brij K. Agarwal Reg. No. 43,507

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

12/17/2004 ET0N11 00000112 022556 11008023
01 FC:8021 40.00 DA

PATENT
REEL: 016073 FRAME: 0657

WORLDWIDE ASSIGNMENT

WHEREAS, I, (hereinafter referred to as the "ASSIGNOR"):

JAMES WANG, 8 Kirkland Court, Richmond Hill, Ontario, Canada L4C 9H3

have invented certain new and useful improvements in an invention entitled **APPARATUS AND METHODS FOR TWO OR MORE DELIVERY TRAFFIC INDICATION MESSAGE (DTIM) PERIODS IN WIRELESS NETWORKS** for which an application for United States Letters Patent is filed herewith, and as further identified by Docket No. 291010-00162 and RIM ID No. 1306; and

WHEREAS, **RESEARCH IN MOTION LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a corporation organized under the laws of the Province of Ontario, CANADA, having a place of business at 295 Phillip Street, Waterloo, Ontario, CANADA, N2L 3W8, is desirous of acquiring the full and exclusive right, title and interest in and to said application inclusive of any and all priority rights derived therefrom and the inventions therein disclosed, and in and to all Letters Patent, both United States and foreign, to be granted for said inventions.

NOW, THEREFORE, for a valuable consideration, the receipt whereof is hereby acknowledged, I, the ASSIGNOR, intending to be legally bound, do hereby confirm sale, assignment, transfer, and set over, and hereby sell, assign, transfer, and set over unto the ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest in and to the aforesaid application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the inventions therein disclosed, and in and to all Letters Patent and issues thereof which may be granted upon said application and in and to all Letters Patent which may be issued upon any substitutes, divisions, or continuations of said application, and in and to any and all Letters Patent which may be granted for said inventions in any other country or countries; the same to be held and enjoyed by the ASSIGNEE for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent and reissues thereof may be granted as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

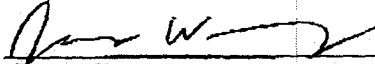
AND I, the ASSIGNOR, hereby agree to execute, upon request, any and all further papers which may be necessary or desirable to enable the ASSIGNEE, its successors and assigns, to file and prosecute said application, and any and all substitutes, divisions, or continuations thereof, and any and all reissues of the Letters Patent granted upon said application, or upon any substitutes, divisions, or continuations thereof, and any and all applications for foreign Letters Patent on said inventions; and ASSIGNOR further agrees to execute any and all further papers which may be necessary or desirable to vest or perfect the title of ASSIGNEE, its successors and assigns, in and to said application and the inventions therein disclosed, and in and to any and all Letters Patent and reissues thereof, both United States and foreign, which may be granted upon said application, and any substitutes, divisions, or continuations thereof, and upon any foreign applications;

AND I, the ASSIGNOR, hereby authorize and request The Commissioner of Patents to issue each and every Letters Patent to be granted upon the aforesaid application for United States Letters Patent, and upon any and all substitutes, divisions, and continuations of said application, and each and every reissue of said Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment.

Page 1 of 2

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: December 8, 2004

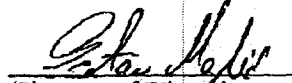

James Wang
8 Kirkland Court
Richmond Hill
Ontario, Canada L4C 9H3

STATEMENT BY WITNESS

I, Srdjan Majkic, whose full Post Office address is
328 Woodwood Rd, Guelph, ON, N1G 3G3
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the Worldwide Assignment, duly sign and execute the same.

Date: Dec 8, 2004


(Signature of Witness)