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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Herbert A. Little
Michael S. Brown
Michael K. Brown
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Research In Motion Limited
Internal Address: _____
Street Address: 295 Phillip Street
Waterloo, Ontario, CANADA N2L 3W8
City: _____ State: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 10/24/2002

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: 10/24/2002
A. Patent Application No.(s) _____
B. Patent No.(s) _____
Additional numbers attached? Yes No

10-493507

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Jacqueline M. O'Brien
Internal Address: JONES DAY
North Point
Street Address: 901 Lakeside Avenue
City: Cleveland State: OH Zip: 44114

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 account
8. Deposit account number:
501432 Ref. 555255-012734

DO NOT USE THIS SPACE

9. Signature.
Jacqueline M. O'Brien Jacqueline M. O'Brien 04/21/2004
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 5

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

PATENT
REEL: 015800 FRAME: 0503

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

LITTLE, Herbert A., 504 Old Oak Place, Waterloo, Ontario N2T 2V8, CANADA

BROWN, Michael S., 350 University Downs Cres., Waterloo, Ontario N2K 4B1, CANADA

BROWN, Michael K., 1938 Mapleridge Drive, Peterborough, Ontario K9K 2E4, CANADA

has/have invented certain new and useful improvements in an invention entitled **MULTIPLE-STAGE SYSTEM AND METHOD FOR PROCESSING ENCODED MESSAGES** for which an application for United States Letters Patent will be filed; 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/WE, ASSIGNOR(S) does/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 invention 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 foreign 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 them had this assignment and sale not been made;

AND I/WE, ASSIGNOR(S) hereby agrees/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 invention; and ASSIGNOR(S) further agrees/agree 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/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/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.

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

Date: Oct 24 2002

Herb A Little
Herbert A. Little
504 Old Oak Place
Waterloo, Ontario N2T 2V8
CANADA

STATEMENT BY WITNESS

I, Camille Girard, whose full Post Office address is

9 Armstrong Ave, Euphonia, ON, N1E5W9
(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 assignment, duly sign and execute the same.

Date: 24 Oct 02

Duward
(Signature of Witness)

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

Date: Oct. 24, 2002

Michael S. Brown

Michael S. Brown
350 University Downs Cres.
Waterloo, Ontario N2K 4B1
CANADA

STATEMENT BY WITNESS

I, Camille Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, ON, N1E5W9
(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 assignment, duly sign and execute the same.

Date: 24 Oct 02

Girard
(Signature of Witness)

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

Date: Oct 24 / 2002



Michael K. Brown
1938 Mapleridge Drive
Peterborough, Ontario K9K 2E4
CANADA


STATEMENT BY WITNESS

I, Camille Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, ON N1E 5W9
(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 assignment, duly sign and execute the same.

Date: 24 OCT 02


(Signature of Witness)