

PATENT
REEL: 9546 FRAME: 0417

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

DUAL EMBEDDED ANTENNA FOR AN RF DATA COMMUNICATIONS DEVICE

and are the subject of a patent application which was filed on June 26, 1998 as Serial No. 09/105,354 in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 555255012071.

WHEREAS, RESEARCH IN MOTION LIMITED, a corporation of CANADA, having a place of business at 295 Phillip Street, Waterloo, Ontario, CANADA N2L 3W8, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Jones, Day, Reavis & Pogue the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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

Date: Oct. 19 / 98


Yihong Qi

~~20 Austin Drive, Apt. 15~~ 698 Keatswood Cr.
Waterloo, Ontario ~~N2L 3Y4~~ N2T 2R6
CANADA

QY

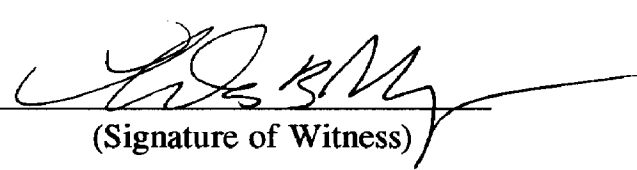
STATEMENT BY WITNESS

I, CHARLES B MEYER, whose full Post Office address is
(Name of Witness)

10 LAMSBERRY PLACE, THE WOODLINGS, TX 77382
(Address of Witness)

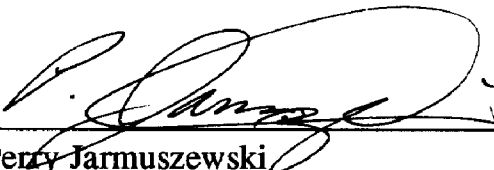
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: 10/19/98


(Signature of Witness)

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

Date: Oct 19/98


Perry Jarmuszewski
31 Hood Street
Guelph, Ontario N1E 5W4
CANADA

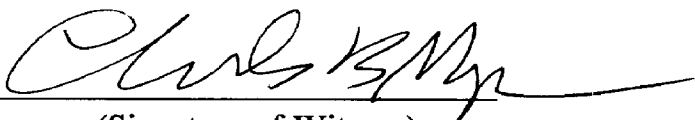
STATEMENT BY WITNESS

I, CHARLES B MERR, whose full Post Office address is
(Name of Witness)

10 CARLS BERRY PLACE, THE WOODLANDS, TX 77382
(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: 10/19/98


(Signature of Witness)

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

Date: Sept. 2, 1998



Lizhong Zhu

661 Keatswood Cr.
Waterloo, Ontario N2T 2R7
CANADA


STATEMENT BY WITNESS

I, CHARLES G MEYER, whose full Post Office address is
(Name of Witness)

10 LANESBURY PLACE, THE WOODLANDS, T4P 7T8
(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: 9/2/98



(Signature of Witness)

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

Date:

Oct 19/1998



Peter J. Edmonson
138 Stone Church Road E.
Hamilton, Ontario L9B 1A9
CANADA

STATEMENT BY WITNESS

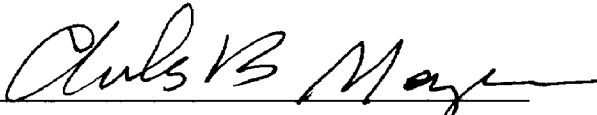
I, CHARLES D MEYER, whose full Post Office address is
(Name of Witness)

10 CACKLEBERRY PLACE, THE WOODLANDS, TX 77382
(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:

10/19/98


(Signature of Witness)

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

Date: Sept. 2, 1998



Krystyna Bandurska
623A Rummelhardt Drive
Waterloo, Ontario N2T 2K7
CANADA

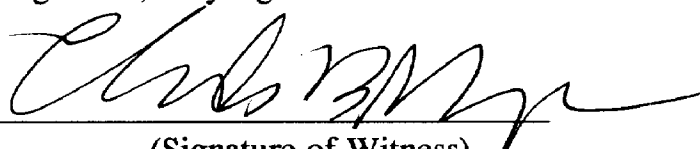
STATEMENT BY WITNESS

I, CHARLES B MOYER, whose full Post Office address is
(Name of Witness)

10 LAKE BERRY PLACE, THE HAWKING TX
(Address of Witness) 7738

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: 9/2/98



(Signature of Witness)

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

Date: OCT 19, 1998

Robert Grant

Robert A. Grant

~~26 Bristol Street~~ 425 COLE ROAD. RG
Guelph, Ontario ~~N1H 3S2~~ N1G 3E9. RG,
CANADA

STATEMENT BY WITNESS

I, CHARLES B MEYER, whose full Post Office address is
(Name of Witness)

10 LAKESIDE PLACE, THE WOODLANDS, TX 77382
(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: 10/19/98

Charles B Meyer
(Signature of Witness)