

Assignments **PATENT**
REEL: 011172 FRAME: 0278

ASSIGNMENT

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

HAND-HELD ELECTRONIC DEVICE WITH THUMBWHEEL

and are the subject of a patent application filed with the United States Patent and Trademark Office on April 5, 2000, and assigned Serial No. 09/543,231, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signature of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 555255012120.

WHEREAS, RESEARCH IN MOTION LIMITED, 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, 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: Sept 20/00



Jason T. Griffin

522 Cairncroft Place
Waterloo, Ontario N2T 2J5
CANADA

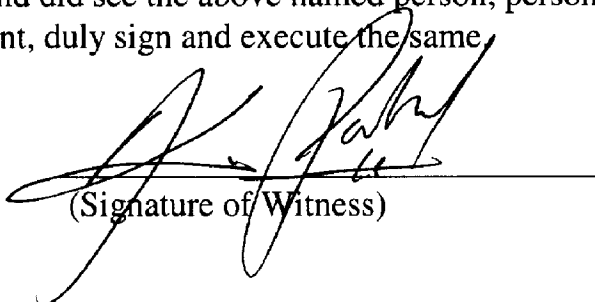
STATEMENT BY WITNESS

I, Krishna K. Pathiyal, whose full Post Office address is
(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(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.

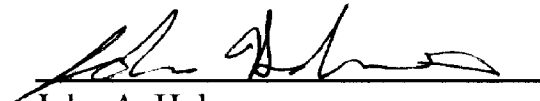
Date: Sept. 20/00



(Signature of Witness)

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

Date: SEPT 20/2000


John A. Holmes

545 Teakwood Drive
Waterloo, Ontario N2L 4L5
CANADA

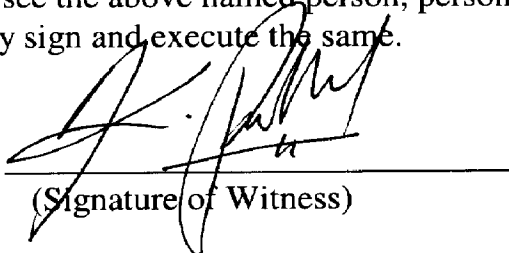
STATEMENT BY WITNESS

I, Krishna K. Pathiyal, whose full Post Office address is
(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(Address of Witness)

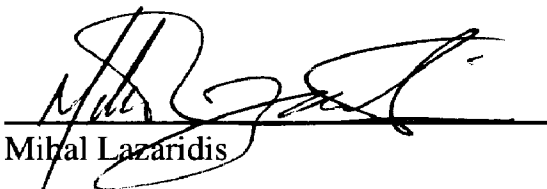
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Sept 20/00


(Signature of Witness)

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

Date: Sept 20/00



Mihai Lazaridis

263 Carrington Place
Waterloo, Ontario N2T 2K1
CANADA

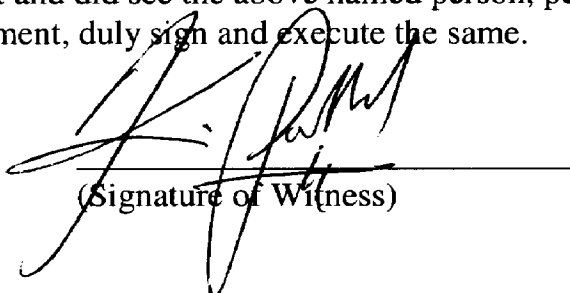
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(Name of Witness)

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(Address of Witness)

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Date: Sept 20/00



(Signature of Witness)

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

Date: Sept 20/00

H A Little
Herb A. Little

523A Rosemeadow Crescent
Waterloo, Ontario N2T 1Z9
CANADA

STATEMENT BY WITNESS

I, Krishna K. Pathiyal, whose full Post Office address is
(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(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: Sept 20/00

[Signature]
(Signature of Witness)

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

Date: Sept. 13, 2000

Harry R. Major
Harry R. Major

465 Stillmeadow Circle
Waterloo, Ontario N2L 5M1
CANADA

STATEMENT BY WITNESS

I, Krishna K. Pathiyal, whose full Post Office address is
(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(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: Sept 13/00

K. Pathiyal
(Signature of Witness)

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

Date: 2000 09 13


Craig Dunk

28 Steffler Drive
Guelph, Ontario N1G 3L9
CANADA

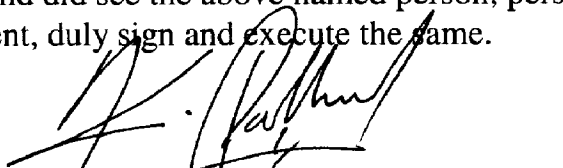
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(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(Address of Witness)

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Date: Sept 13/00


(Signature of Witness)

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

Date: Sept. 13, 2000

Michael S. Brown
Michael Brown

P.O. Box 216
7 Danube Drive
Heidelberg, Ontario N0B 1Y0
CANADA

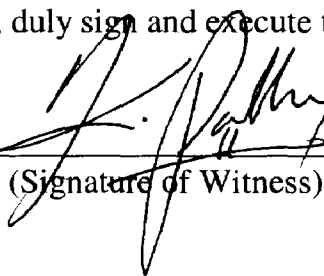
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Date: Sept 13/00


(Signature of Witness)

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

Date: September 13, 2000

Jérôme Lang
Jérôme Lang

165 Linsmore Crescent
Toronto, Ontario M4J 4L3
CANADA

STATEMENT BY WITNESS

I, Krishna K. Pathiyal, whose full Post Office address is
(Name of Witness)

385 Havendale Crescent, Waterloo, Ontario, N2T 2T4
(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: Sept 13/00

[Signature]
(Signature of Witness)