

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5719834

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID PAUL YACH	04/09/2002
RAYMOND PAUL VANDER VEEN	04/09/2002
HARRY RICHMOND MAJOR	04/09/2002
GARY PHILLIP MOUSSEAU	04/10/2002
MIHAL LAZARIDIS	04/05/2002
ATUL ASTHANA	04/11/2002
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RESEARCH IN MOTION LIMITED
<b>Street Address:</b>	295 PHILLIP STREET
<b>City:</b>	WATERLOO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2L 3W8
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16571372
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(416)363-8429
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	4164798647
<b>Email:</b>	mailbox@rowandlaw.com
<b>Correspondent Name:</b>	ROWAND LLP
<b>Address Line 1:</b>	SUITE 2302, 401 BAY STREET, PO BOX 56
<b>Address Line 4:</b>	TORONTO, CANADA M5H 2Y4
<b>ATTORNEY DOCKET NUMBER:</b>	101-0224USP3
<b>NAME OF SUBMITTER:</b>	HELEN VONGPHAKDY
<b>SIGNATURE:</b>	/Helen Vongphakdy/
<b>DATE SIGNED:</b>	09/16/2019
<b>Total Attachments: 7</b>	

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## ASSIGNMENT

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

### ADVANCED VOICE AND DATA OPERATIONS IN A MOBILE DATA COMMUNICATION DEVICE

and are the subject of a patent application prepared for filing with the United States Patent and Trademark Office attached hereto, 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. **555255012318**.

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: Apr. 9, 2002

  
David P. Yach

254 Castlefield Ave  
Waterloo, Ontario  
N2K 2N1  
CANADA


STATEMENT BY WITNESS

I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA  
(Address of Witness)

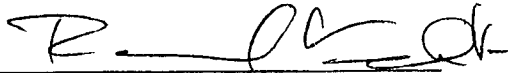
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: 9 Apr 02

  
(Signature of Witness)

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

Date: April 09 / 02

  
Raymond P. Vander Veen

21 Rex Drive  
Kitchener, Ontario  
N2M 4A1  
CANADA


STATEMENT BY WITNESS

I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA  
(Address of Witness)

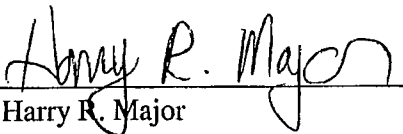
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: 9 Apr 02

  
(Signature of Witness)

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

Date: 09 Apr 02

  
Harry R. Major

332 Milla Court  
Waterloo, Ontario  
N2L 6N4  
CANADA

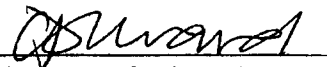
STATEMENT BY WITNESS

I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA  
(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 Apr 02

  
(Signature of Witness)

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

Date: April 10/2002

  
Gaby P. Mousseau

210 The Lion's Gate  
Waterloo, Ontario  
N2L 6M5  
CANADA

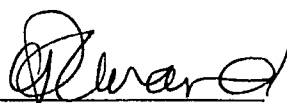
STATEMENT BY WITNESS

I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA  
(Address of Witness)

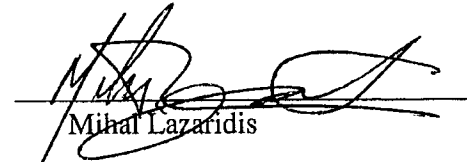
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Apr 10/02

  
(Signature of Witness)

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

Date: Apr 5, 02

  
Mihai Lazaridis

263 Carrington Place  
Waterloo, Ontario  
N2T 2K1  
CANADA

STATEMENT BY WITNESS

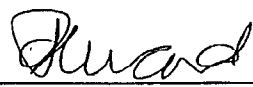
I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA

(Address of Witness)

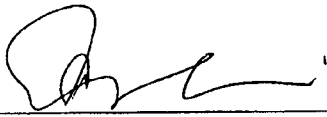
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: 5 Apr 02

  
(Signature of Witness)



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

Date: April 11, 2002   
Atul Asthana

4 Renata Place  
Unionville, Ontario  
L3R 2Y1  
CANADA

STATEMENT BY WITNESS

I, Camille D. Girard, whose full Post Office address is

9 Armstrong Ave, Guelph, Ontario, N1E 5W9 CANADA  
(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: 11 Apr 02   
(Signature of Witness)