<u></u> !2-U	12-2002 <u> </u>
OND NO. 000 1-0027 (EXD. 5/3 1/2002)	U.S. DEPARTMENT OF COMMEI U.S. Patent and Trademark C
	98252 <u>v v</u>
	rks: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	Name and address of receiving party(ies) Name: Research In Motion Limited
Norman M. LADOUCEUR; Jason T. GRIFFIN	Name: Name:
11/21/02	Internal Address:
Additional name(s) of conveying party(ies) attached? Additional name(s) of conveying party(ies)	
3. Nature of conveyance:	
Assignment	
	Street Address: 295 Phillip Street
Other	
	City: Waterloo State: ON Zip: N2L
Execution Date: November 20, 2002	Additional name(s) & address(es) attached? 🖵 Yes 👪
4. Application number(s) or patent number(s):	11/ 20 /
If this document is being filed together with a new ap	oplication, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
 Name and address of party to whom correspondent concerning document should be mailed: Name: David B. Cochran, Esq. 	s attached? Yes No See 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)
Internal Address:	- Enclosed
Jones, Day, Reavis & Pogue	Authorized to be charged to deposit account
North Point	
—————————————————————————————————————	8. Deposit account number:
Street Address: 2 TDIAZ1 00000005 501432 10302242 901 Lakeside Avenue 40.00 CH	501432 (ref. 555255012397)
City: Cleveland State: OH Zip: 44114	(Attach duplicate copy of this page if paying by deposit accoun
DO NOT U	SE THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoin	g information is true and correct and any attached conv
is a true copy of the original document.	σ
David B. Cochran	David R Chara 11/21/02
David B. Cochran Name of Person Signing	Signature 11/21/02 Date

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

EXPRESS MAIL EL 821237429 US November 21, 2002

ASSIGNMENT

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

KEYBOARD ASSEMBLY FOR A MOBILE 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. 555255012397.

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.

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PATENT REEL: 013523 FRAME: 0218 IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: 100 20/02

Norman M. Ladouceur 14 Gateview Drive Waterloo, Ontario N2T 1A2 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: 20 NO V 02

(Signature of Witness)

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PATENT REEL: 013523 FRAME: 0219 IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: Nov 201, 2002

Jason T. Griffin
522 Cairncroft Place
Waterloo, Ontario
N2T 2J5
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: _

(Signature of Witness)

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PATENT REEL: 013523 FRAME: 0220

RECORDED: 11/21/2002