PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6529869

NATURE OF CONVEYANCE. Corrective Assign	SSIGNMENT
ENTIRETY previo	nment to correct the TO REPLACE ASSIGNMENT IN ITS ously recorded on Reel 024827 Frame 0691. Assignor(s) the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
KUO-FENG TONG	05/14/2010
KATARINA PAVLIKOVA	05/14/2010
YINGYING LU	05/14/2010
ARNETT RYAN WEBER	05/14/2010

RECEIVING PARTY DATA

Name:	RESEARCH IN MOTION LIMITED	
Street Address:	295 PHILLIP STREET	
City:	WATERLOO	
State/Country:	CANADA	
Postal Code:	N2L 3W8	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8466889

CORRESPONDENCE DATA

Fax Number: (778)329-0752

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.

Email: ipmailvancouver@blg.com

Correspondent Name: BORDEN LADNER GERVAIS LLP

Address Line 1: 1200 WATERFRONT CENTRE, 200 BURRARD STR.

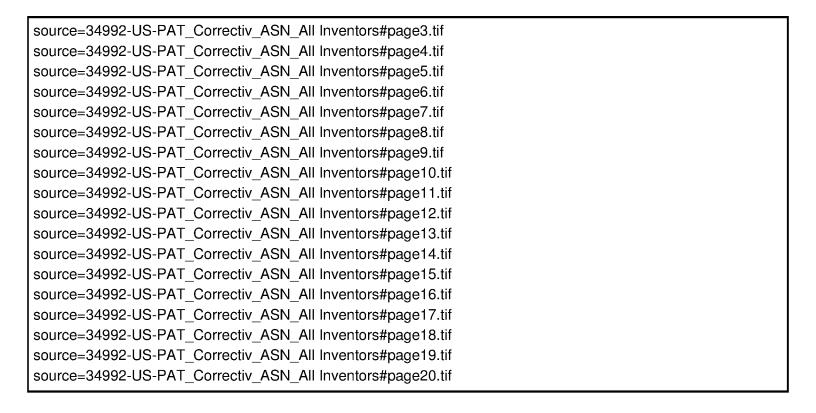
Address Line 4: VANCOUVER, CANADA V7X 1T2

ATTORNEY DOCKET NUMBER:	PAT 101203-2
NAME OF SUBMITTER:	ANETT FABIAN
SIGNATURE:	/Anett Fabian/
DATE SIGNED:	02/02/2021

Total Attachments: 20

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PATENT 506483093 REEL: 055206 FRAME: 0367



PATENT REEL: 055206 FRAME: 0368

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kuo-Feng TONG	05/14/2010
Arnett Ryan WEBER	05/14/2010
Yingying LU	05/14/2010
Katarina PAVLIKOVA	06/03/2010

RECEIVING PARTY DATA

Name:	Research In Motion Limited
Street Address:	295 Phillip Street
City:	Waterloo
State/Country:	CANADA
Postal Code:	N2L 3W8

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12780338

CORRESPONDENCE DATA

Fax Number: (613)787-3558

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (613) 237-5160

Email: alcampbell@blgcanada.com
Correspondent Name: Borden Ladner Gervais LLP

Address Line 1: 100 Queen Street
Address Line 2: Suite 1100

Address Line 4: Ottawa, CANADA K1P 1J9

ATTORNEY DOCKET NUMBER: PAT 101203-2

NAME OF SUBMITTER: Alex Campbell

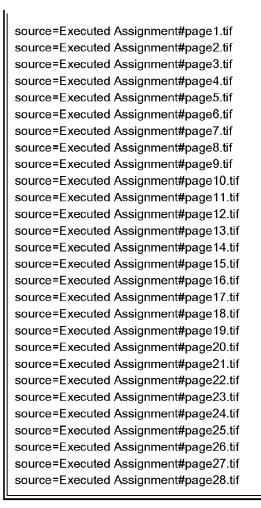
Total Attachments: 28

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PATENT

REEL: 024827 FRAME: 0691 PATENT

REEL: 055206 FRAME: 0369



PATENT

REEL: 024827 FRAME: 0692 PATENT REEL: 055206 FRAME: 0370

WORLDWIDE ASSIGNMENT

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

Kuo-Feng TONG - 79993- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada Katarina PAVLIKOVA - 122 Shoreline Cl., Port Moody, British Columbia, V3H 5B3, Canada

Yingying LU - 76663- 440 Phillip Street, Waterloo, Ontario, N2L 5R9, Canada Arnett Ryan WEBER - 77717- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada

has/have invented a **METHOD OF PROVIDING TACTILE FEEDBACK AND ELECTRONIC DEVICE** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No.

European Patent Application No.

filed May 14, 2010

filed May 14, 2010

AND WHEREAS, **RESEARCH IN MOTION LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 295 Phillip Street, Waterloo, Ontario, N2L 3W8, Canada, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of

Page 1 of 6

protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHERE undersigned:	OF, this Worldwide Assignment has been executed below by the
Date:	Kuo-Feng TONG 79993- 305 Phillip St. Waterloo, Ontario N2L 3W8, Canada
	STATEMENT BY WITNESS
I,	, whose full Post Office address is
· · · · · · · · · · · · · · · · · · ·	(Address of Witness)
hereby declare that I was persknown to me to be a person r	sonally present and did see the above named person, personally named in the Worldwide Assignment, duly sign and execute same.
Date:	(Signature of Witness)

unders	IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the igned:
Date: _	Katarina PAVLIKOVA 122 Shoreline Cl. Port Moody, British Columbia V3H 5B3, Canada
	STATEMENT BY WITNESS
	I,, whose full Post Office address is
	(Address of Witness)
hereby known	declare that I was personally present and did see the above named person, personally to me to be a person named in the Worldwide Assignment, duly sign and execute same.
Date:_	(Signature of Witness)

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

Yingying LU 76663- 440 Phillip Street Waterloo, Ontario N2L 5R9, Canada

STATEMENT BY WITNESS

H, whose full Post Office address is

440 PHILLIP ST. WATERLOO, ON N22 5R9

(Address of Witness)

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

Page 5 of 6

Date: MAY 14, 2010.

(Signature of Witness)

IN WITNESS WHEREOF undersigned:	F, this Worldwide Assignment has been executed below by the
Date:	Arnett Ryan WEBER 77717- 305 Phillip St. Waterloo, Ontario N2L 3W8, Canada
	STATEMENT BY WITNESS
Ι,	, whose full Post Office address is
	(Address of Witness)
hereby declare that I was person known to me to be a person nan	nally present and did see the above named person, personally ned in the Worldwide Assignment, duly sign and execute same.
Date:	(Signature of Witness)

WORLDWIDE ASSIGNMENT

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Kuo-Feng TONG - 79993- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada Katarina PAVLIKOVA - 122 Shoreline Cl., Port Moody, British Columbia, V3H 5B3, Canada

Yingying LU - 76663- 440 Phillip Street, Waterloo, Ontario, N2L 5R9, Canada Arnett Ryan WEBER - 77717- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada

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United States Patent Application No. European Patent Application No.

filed May 14, 2010

filed May 14, 2010

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NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of

Page 1 of 6

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undersi	IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the igned:
Date: _	Kuo-Feng TONG 79993- 305 Phillip St.
	Waterloo, Ontario N2L 3W8, Canada
	STATEMENT BY WITNESS
	I,, whose full Post Office address is
	(Address of Witness)
	declare that I was personally present and did see the above named person, personally to me to be a person named in the Worldwide Assignment, duly sign and execute same.
Date:_	(Signature of Witness)

Page 3 of 6

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

Date: 14/ May /2010

Katarina PAVLIKOVA
122 Shoreline Cl.
Port Moody, British Columbia
V3H 5B3, Canada

STATEMENT BY WITNESS

I, Jeff Kir	, whose fu	all Post Office address is
136 Schluster St.	Cambridge ON CANAL (Address of Witness)	N3H 4B3

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

Date: 14/ May / 2010

(Signature of Witness)

d below by the
ice address is
, personally execute same.

unders	IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the igned:
Date:	
Date	Arnett Ryan WEBER 77717- 305 Phillip St. Waterloo, Ontario N2L 3W8, Canada
	STATEMENT BY WITNESS
	I,, whose full Post Office address is
	(Address of Witness)
hereby known	declare that I was personally present and did see the above named person, personally to me to be a person named in the Worldwide Assignment, duly sign and execute same.
Date:	
	(Signature of Witness)

Page 6 of 6

WORLDWIDE ASSIGNMENT

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Kuo-Feng TONG - 79993- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada Katarina PAVLIKOVA - 122 Shoreline Cl., Port Moody, British Columbia, V3H 5B3, Canada

Yingying LU - 76663- 440 Phillip Street, Waterloo, Ontario, N2L 5R9, Canada Arnett Ryan WEBER - 77717- 305 Phillip St., Waterloo, Ontario, N2L 3W8, Canada

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Page 1 of 6

protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

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Page 2 of 6

IN WITN	IESS WHEREOF, this	s Worldwide Assignmen	t has been executed below by the
undersigned:			

Date: May 14, 2010

Kuo-Feng TONG 79993- 305 Phillip St. Waterloo, Ontario N2L 3W8, Canada

STATEMENT BY WITNESS

I, <u>R</u>	idard	MB	, wl	nose full Po	st Office a	ddress is
287	Magnoli	a Pl.	Waterloo,	oN.	NZV	2A3
			ddress of Witness)			

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

Date: 14 May 2010

(Signature of Witness

IN WITNESS WHEREOF, undersigned:	this Worldwide Assignment has been executed below by the
Date:	
	Katarina PAVLIKOVA 122 Shoreline Cl. Port Moody, British Columbia V3H 5B3, Canada
ST	FATEMENT BY WITNESS
I,	, whose full Post Office address is
	(Address of Witness)
hereby declare that I was personally known to me to be a person named	present and did see the above named person, personally in the Worldwide Assignment, duly sign and execute same.
Date:	(Signature of Witness)

Page 4 of 6

Date:	
	Yingying LU 76663- 440 Phillip Street Waterloo, Ontario N2L 5R9, Canada
	STATEMENT BY WITNESS
Ι,	, whose full Post Office address is
· · · · · · · · · · · · · · · · · · ·	(Address of Witness)
ereby declare that I want is nown to me to be a pe	as personally present and did see the above named person, personally rson named in the Worldwide Assignment, duly sign and execute same.

Page 5 of 6

unders		s Worldwide Assignn	nent has been executed below by the	
Date: _	14/05/10	Arnett Ryan WEBER 77717- 305 Phillip St. Waterloo, Ontario N2L 3W8, Canada		
	STA	TEMENT BY WITN	ESS	
	1, Richard MA		, whose full Post Office address is	
	1, Richard MA 287 Magnolia Pl	, waterlos,	ON, NZV ZA3	
		(Address of Witness)		
hereby	declare that I was personally p to me to be a person named in	resent and did see the the Worldwide Assig	e above named person, personally enment, duly sign and execute same.	
Date:	14 May 2010	(Signa	ture of Witness)	

Page 6 of 6