505497746 05/29/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5544550

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BLACKBERRY UK LIMITED	05/29/2019

RECEIVING PARTY DATA

Name:	BLACKBERRY LIMITED	
Street Address:	2200 UNIVERSITY AVENUE EAST	
City:	WATERLOO	
State/Country:	ONTARIO	
Postal Code:	N2K 0A7	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16413773

CORRESPONDENCE DATA

Fax Number: (519)883-4935

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.

Phone: 519-597-8056

Email:patentformaldocs@blackberry.comCorrespondent Name:BLACKBERRY LIMITED - KRISTAAddress Line 1:2200 UNIVERSITY AVENUE E.Address Line 4:WATERLOO, CANADA N2K 0A7

ATTORNEY DOCKET NUMBER:	50802
NAME OF SUBMITTER:	KRISTA LUFT
SIGNATURE:	/krista luft/
DATE SIGNED:	05/29/2019

Total Attachments: 5

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PATENT 505497746 REEL: 049305 FRAME: 0027

CONFIRMATION AND ASSIGNMENT

WHEREAS BLACKBERRY UK LIMITED, a corporation organized under the laws of England and Wales, having a place of business at Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, United Kingdom, (the "ASSIGNOR") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignor Inventions"); and

WHEREAS BLACKBERRY LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, having a place of business at 2200 University Avenue East, Waterloo, Ontario, N2K 0A7, Canada, (the "ASSIGNEE") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignee Inventions"); and

WHEREAS ASSIGNOR and ASSIGNEE agree that ASSIGNEE is the owner of developments, modifications, improvements, adaptations of and derivative works, related to the Assignor Inventions or Assignee Inventions, whether created by ASSIGNEE or ASSIGNOR or on their behalf (the "Developments"), and that ASSIGNOR has received full market consideration therefor; and

WHEREAS ASSIGNOR wishes to confirm that ASSIGNEE is the owner of all rights, title and interest of the ASSIGNOR in and to certain of the Developments ("Creations"), described in documents, descriptions and/or drawings ("Creation Documents"), and/or described in applications for patents, design registrations, utility model registrations and other forms of protection ("Applications"), inclusive of any and all priority rights derived therefrom, and all ancillary rights relating thereto, as listed in Schedule "A" attached hereto.

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, intending to be legally bound, agree as follows:

ASSIGNOR hereby confirms that it has transferred, conveyed and assigned, and by way of further assurance, to the extent that the transfer, conveyance or assignment has not already been fully effected, ASSIGNOR hereby transfers, conveys and assigns, any and all of its rights, title and interest in and to: the Creations; the Creation Documents: Applications, inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patents, designs, utility models or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Creations 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 protection, rights and titles relating to the Creations and Creation Documents; 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 Creations, Creation Documents, Applications,

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PATENT V7

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Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this assignment; with the intent that the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

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

ASSIGNOR does hereby authorize ASSIGNEE or its patent agents or attorneys to insert in Schedule "A" 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 hereby authorizes and requests The Commissioner of Patents, or any equivalent authority, to issue to ASSIGNEE each and every patent, registration and other forms of protection, right and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns and shall be binding upon ASSIGNOR and its successors and permitted assigns.

IF ANY COVENANT OR PROVISION, or portion thereof, of this document is determined to be void or unenforceable, such void or unenforceable covenant or provision, or portion thereof, is hereby conceded to be severable from the balance of this document, and any such determination shall not, in any event, affect or impair the validity of the balance of the covenant or provision, nor shall it affect or impair the validity of any other covenant or provision herein contained.

DELIVERY of this Confirmation and Assignment by copy, however transmitted, constitutes valid and effective delivery. This Confirmation and 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.

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PATENT REEL: 049305 FRAME: 0029

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

	BlackBerry UK Limited
Date: May 29, 2019	<u> </u>
	By:
	Name: Satwinder Rai
	Title: Director
S	STATEMENT BY WITNESS
I, Krista Luft	whose full Post Office Address is
2200 University Ave. E., Wate	erloo, ON, Canada, N2K 0A7
	(Address of Witness)
	personally present and did see the above named person, the person named in the assignment, duly sign and execute
Date: May 29, 2019	- KHIPR
	(Signature of Witness)

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

BlackBerry Lin	mitec	i
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Date: May 29, 2019

By:

Name: Steve Rai

Title: Deputy Chief Financial Officer and Authorized Signing Officer

STATEMENT BY WITNESS

I, Krista Luft	whose full Post Office Address is	
2200 University Ave. E., Waterloo, ON, Canada, N	V2K 0A7	
(Address of Witn	ness)	
hereby declare that I was personally present ar personally known to me to be the person named in the same.	* *	

Date: May 29, 2019 (Signature of Witness)

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됩	BB File #	50802-US-PAT
nfirmation and Assignm	File Date	May 16 2019
SCHEDELE "A" to Co	Ψ	US 16/413773

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RECORDED: 05/29/2019