504396760 06/05/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4443457

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
MARC ANTHONY LEPAGE	05/03/2017	

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15445590

CORRESPONDENCE DATA

Fax Number: (561)989-9812

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: 561-989-9811
Email: ptoboca@fggbb.com

Correspondent Name: FLEIT GIBBONS GUTMAN BONGINI & BIANCO P.

Address Line 1: 4800 N. FEDERAL HIGHWAY, SUITE B306

Address Line 4: BOCA RATON, FLORIDA 33431

ATTORNEY DOCKET NUMBER:	48187-US-PAT
NAME OF SUBMITTER:	JON GIBBONS
SIGNATURE:	/Jon Gibbons/
DATE SIGNED:	06/05/2017

Total Attachments: 6

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> PATENT REEL: 042588 FRAME: 0279

WORLDWIDE ASSIGNMENT

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

KOMINAR, Jeremy Lawson, 2200 University Ave. East, Waterloo, ON, N2K 0A7, Canada ADAMS, Neil Patrick, 2200 University Ave. East, Waterloo, ON, N2K 0A7, Canada WATERMAN, Nick Mark, 2200 University Ave. East, Waterloo, ON, N2K 0A7, Canada LEPAGE, Marc Anthony, 806 Oakside Crescent, Kanata, ON, K2W 0A3, Canada 500 Starboard Cres, Waterloo, ON, N2K 465, Canada

am an/are inventor(s) of an invention entitled **INADVERTENT PASSWORD ENTRY DETECTION** ("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:

US application no. 15/445590, filed on February 28, 2017

AND WHEREAS, **BLACKBERRY 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 2200 University Avenue East, Waterloo, Ontario, N2K 0A7, 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; inclusive of any and all priority rights, including the right to claim priority, derived from 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 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

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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.

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	Date:
Jeremy Lawson KOMINAR 2200 University Ave. East Waterloo, ON N2K 0A7 Canada	
S	TATEMENT BY WITNESS
I,	whose full Post Office address is
	(Address of Witness)
hereby declare that I was personall	present and did see the above named person, personally in the Worldwide Assignment, duly sign and execute same.

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BlackBerry Family Ref.	

undersigned:	orldwide Assignment has been executed below by the
	*
	Date:
Neil Patrick ADAMS 2200 University Ave. East Waterloo, ON N2K 0A7 Canada	
S 7	FATEMENT BY WITNESS
in the second se	whose full Post Office address is
Ι,	, whose full Post Office address is
I,	
I ,	
hereby declare that I was personally	
nereby declare that I was personally	(Address of Witness) y present and did see the above named person, personally
nereby declare that I was personally	(Address of Witness) present and did see the above named person, personally in the Worldwide Assignment, duly sign and execute same.
nereby declare that I was personally known to me to be a person named	(Address of Witness) y present and did see the above named person, personally
nereby declare that I was personally	(Address of Witness) present and did see the above named person, personally in the Worldwide Assignment, duly sign and execute same.
nereby declare that I was personally mown to me to be a person named	(Address of Witness) The present and did see the above named person, personally in the Worldwide Assignment, duly sign and execute same. Date:

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undersigned:		
Nick Mark WATERMAN 2200 University Ave. East Waterloo, ON N2K 0A7 Canada	Date:	
,	STATEMENT BY WIT	t Office address is
1,	(Address of Witnes	
nereby declare that I was personal known to me to be a person named		

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

Mare Le	mae_	Date:	Mw	3,2017
Marc Anthony LEPAGI 806 Oakside Grescent Kanata, ON K2W-8A3 Canada		55	res	

STATEMENT BY WITNESS

ı, <u>M</u> e	n Lepase	whose full Post Office address is	
	, 0		
500	Starboard	Cres Waterloo, ON, N2K	495
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(A	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.

(Signature of Witness)

Date: May 3, 2017

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RECORDED: 06/05/2017