504466562 07/20/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILLIP A. HETHERINGTON	04/13/2011
MARK FALLAT	04/13/2011

RECEIVING PARTY DATA

Name:	QNX SOFTWARE SYSTEMS CO.
Street Address:	175 TERENCE MATTHEWS CRESCENT
City:	OTTAWA, ONTARIO
State/Country:	CANADA
Postal Code:	K2M 1W8

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14571896

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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: 312-321-4200

Email: tsieczkowski@brinksgilson.com, usassignments@brinksgilson.com

Correspondent Name: BRINKS GILSON & LIONE

Address Line 1: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	14295-1045 (38888-US-CNT)
NAME OF SUBMITTER:	JAMES A. COLLINS, REG. NO. 43,557
SIGNATURE:	/James A. Collins/
DATE SIGNED:	07/20/2017

Total Attachments: 4

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PATENT 504466562 REEL: 043056 FRAME: 0878

RIM Family Ref. No.: 14295/526 (38888-US-PAT)

WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the "ASSIGNORS"):

Phillip A. Hetherington 23 Fernway Drive, Port Moody, BC, V3H 5H7 CANADA Mark Fallat, 309-1040 Pacific Street, Vancouver, BC, V6E 4C1 CANADA

have invented an ENHANCED SPATIALIZATION SYSTEM WITH SATTELLITE 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:

Canadian Patent Application No. ______filed on February 4, 2011
European Patent Application No. 11153433.5 filed on February 4, 2011
United States Patent Application No. 13/020,949 filed on February 4, 2011

AND WHEREAS, QNX SOFTWARE SYSTEMS CO., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Nova Scotia, Canada, having a place of business at 175 Terence Matthews Crescent, Ottawa, Ontario, K2M 1W8, 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, ASSIGNORS do hereby confirm that ASSIGNORS have transferred, conveyed and assigned, and by way of further assurance do hereby transfer, convey and assign, any and all of ASSIGNORS' 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 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

Page 1 of 4

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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.

ASSIGNORS 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 ASSIGNORS further 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.

ASSIGNORS 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.

ASSIGNORS 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 ASSIGNORS 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.

RIM Family Ref. No.: 14295/526 (38888-US-PAT)

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed I	elow by the
undersigned:	
////_///////////////////////////	
Date: 13/04/1/ 1/1/2019 1/1/20	
Phillip/A.4Retherington	
23 Fernway Drive	
Port Moody, BC	
V3H 5H7 CANADA	
STATEMENT BY WITNESS	
and the second of the second o	
I, SHEE/AS PARANIME, whose full Post Office	address is
and the second s	
3581 24 AVE W VANCOUVER BC V65 K5	
(Address of Witness)	
hereby declare that I was personally present and did see the above named person, pe	rsonally
known to me to be a person named in the Worldwide Assignment, duly sign and exe	
Date: 498 13, 2011	
(Signature of Witness)	
(orgunator vermess)	

RIM Family Ref. No.: 14295/526 (38888-US-PAT)

IN WITNESS WHER undersigned:	EOF, this Worldwide Assignment has been executed below by	the
Date: 13/04///	The July	
	Mark Fallat	
	309-1040 Pacific Street	
	Vancouver, BC	
	V6E 4C1 CANADA	
	STATEMENT BY WITNESS	
	Siculari Di William	
I, SHEETAS PARCO	いりゃと , whose full Post Office address i	Ş
3581 94 800	S. J. Ballette Secretarial B. S.	
Section 200	W. VANCORUER BC V65 165	
	(Address of Witness)	
	onally present and did see the above named person, personally uned in the Worldwide Assignment, duly sign and execute san	
	THE PARTY OF THE P	
Date: A/K 15 , 2011	The state of the s	
	(Signature of Witness)	

Page 4 of 4

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PATENT REEL: 043056 FRAME: 0882