

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4516886

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THE UNIVERSITY OF BRITISH COLUMBIA	04/03/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HUAWEI TECHNOLOGIES CANADA CO., LTD.
<b>Street Address:</b>	303 TERRY FOX DRIVE
<b>Internal Address:</b>	SUITE 400
<b>City:</b>	KANATA
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	K2K 3J1
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15261486
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(613)563-7671
<i>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.</i>	
<b>Phone:</b>	613-567-0762
<b>Email:</b>	cnaugler@mbm.com
<b>Correspondent Name:</b>	MBM INTELLECTUAL PROPERTY LAW LLP
<b>Address Line 1:</b>	275 SLATER ST.
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	OTTAWA, CANADA K1P 5H9
<b>ATTORNEY DOCKET NUMBER:</b>	85063649US01
<b>NAME OF SUBMITTER:</b>	CELESTE NAUGLER
<b>SIGNATURE:</b>	/Celeste Naugler/
<b>DATE SIGNED:</b>	07/24/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

We, The University of British Columbia, whose full address is University-Industry Liaison Office, 103-6190 Agronomy Road, Vancouver, BC V6T 1Z3, Canada, for good and valuable consideration, the receipt and sufficiency of which is acknowledged, do hereby sell, transfer and assign to Huawei Technologies Canada Co., Ltd. (the "Assignee"), whose full post office address is 303 Terry Fox Drive, Suite 400, Kanata, Ontario, Canada K2K 3J1, all our interest in our inventions and developments relating to "Method and Apparatus for Monitoring and Controlling a Photonic Switch Using Phase Sweeping", including the inventions and developments disclosed in United States Utility Patent Application Serial No. 15/261,486 filed September 9, 2016, and We grant to the Assignee all right, title and interest in any and all intellectual property therein, including any and all patents or applications (including reissues, divisions, renewals or extensions of such patents) or utility models, in any country, together with the right to claim priority to any such applications. We covenant that We have full right to convey the entire interest herein assigned, and that We have not executed and will not execute any agreement in conflict herewith.

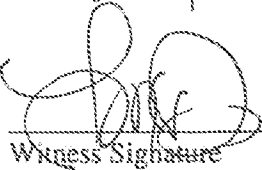
We agree to do any act required to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce title and proper legal protection for said inventions and developments, in any country. We covenant that We will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect title to said inventions and developments, in the Assignee, its successors, assigns, nominees or legal representatives. We agree to communicate to the Assignee, or its nominees, all facts respecting said inventions and developments, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its own benefit, proper patent or other intellectual property protection for said inventions and developments, in any and all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

ASSIGNOR:

EXECUTED at Vancouver, BC, Canada this 7<sup>th</sup> day of April, 2017 <sup>25</sup>

  
The University of British Columbia

Brett Sharp Ph.D.  
Associate Director  
University - Industry Liaison Office

  
Witness Signature

Laurie McBeth  
Witness Name (Print)

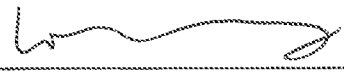
ASSIGNEE:

The ASSIGNEE hereby accepts the Assignment of all the right, title, and interest in and to the aforementioned invention throughout the world from the ASSIGNORS.

EXECUTED at Ottawa this 17<sup>th</sup> day of July, 2017 <sup>2016</sup>

  
Huawei Technologies Canada Co., Ltd.

Changtian Cai  
President, Canada Research Centre

  
Witness Signature

Yunging Liang  
Witness Name (Print)