

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3848580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHILIPPE LEROUX	04/14/2016
AARON JAMES CALLARD	04/14/2016
ALEX STEPHENNE	01/19/2016
RECEIVING PARTY DATA	
Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN
Internal Address:	LONGGANG DISTRICT, GUANGDONG
City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14555018
CORRESPONDENCE DATA	
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<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>	
Phone:	972 732 1001
Email:	docketing@slatermatsil.com
Correspondent Name:	SLATER MATSIL LLP
Address Line 1:	17950 PRESTON ROAD, SUITE 1000
Address Line 4:	DALLAS, TEXAS 75252
ATTORNEY DOCKET NUMBER:	HW 91012711US01
NAME OF SUBMITTER:	SHANDY L. SARCHET
SIGNATURE:	/Shandy L. Sarchet/
DATE SIGNED:	04/27/2016
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, I/We, the undersigned inventor(s) (or one of the undersigned joint inventors), of residence as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, Huawei Technologies Co., Ltd. ("Assignee"), a corporation organized and existing under the laws of China, having a principal place of business at Huawei Administration Building, Bantian, Longgang, Shenzhen, Guangdong, 518129 China, is desirous of acquiring my/our entire right, title and interest in the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we will assign, and hereby assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive right, title and interest in and to the invention in the United States and every other country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisional, reissues, reexaminations, National Phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every other country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner for Patents to issue U.S. patents for said invention, or patent resulting therefrom, insofar as my/our interest is concerned, to the Assignee agreeably with the terms of this assignment document.

I/we also hereby agree to sell and to assign, and sell and assign to Assignee, its successors and assigns, my/our international rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of any International Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I/we hereby further agree that I/we will communicate to Assignee, or its successors, assigns, and legal representative, any facts known to me/us respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all documents required for divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid such Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said

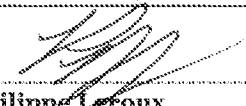
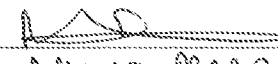
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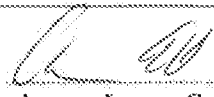
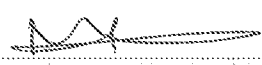
invention in all countries.

I/we hereby authorize Assignee to modify this Assignment at a later date for the purpose of adding information to better identify the invention, such as the application serial number, and filing date of a patent application filed thereon.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	Network Abstractor for Advanced Interactive SDN Optimization	
	Appl. No. 14/555,018	Filing Date: 11/26/2014

Signature of Inventor:		
Inventor Name:	Philippe Leroux	Date <u>14 04 2016</u>
Residence (City/State):	Ottawa, ON, Canada	
Signature of Witness:		
Witness Name:	AMINE MAAREF	Date <u>14 04 2016</u>
Residence (City/State):	Ottawa ON	

Signature of Inventor:		
Inventor Name:	Aaron James Callard	Date <u>14 Apr 2016</u>
Residence (City/State):	Ottawa, ON, Canada	
Signature of Witness:		
Witness Name:	AMINE MAAREF	Date <u>14 Apr 2016</u>
Residence (City/State):	Ottawa ON	

Signature of Inventor:		
Inventor Name:	Alex Stephenne	Date
Residence (City/State):	Stittsville, ON, Canada	
Signature of Witness:		
Witness Name:		Date
Residence (City/State):		

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Title of Invention		Network Abstractor for Advanced Interactive SDN Optimization	
Appl. No.	14/555,018	Filing Date:	11/26/2014

Signature of Inventor:			
Inventor Name:	Philippe Leroux	Date	
Residence (City/State):	Ottawa, ON, Canada		
Signature of Witness:			
Witness Name:		Date	
Residence (City/State):			

Signature of Inventor:			
Inventor Name:	Aaron James Callard	Date	
Residence (City/State):	Ottawa, ON, Canada		
Signature of Witness:			
Witness Name:		Date	
Residence (City/State):			

Signature of Inventor:			
Inventor Name:	Alex Stephane	Date	Jan 19 2016
Residence (City/State):	Saltville, ON, Canada		
Signature of Witness:			
Witness Name:	Nathalie Gauthier	Date	Jan 19th 2016
Residence (City/State):	STIRTSVILLE, ON, CAN		

Huawei Technologies Co., Ltd.
Patent Reference No. HW 9101271US01