

## PATENT ASSIGNMENT COVER SHEET

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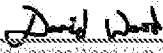
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID C. WOOD	06/25/2015
MASSIMILIANO SALSÌ	06/26/2015
STEVEN B. ALLESTON	06/26/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JUNIPER NETWORKS, INC.
<b>Street Address:</b>	1133 INNOVATION WAY
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94089
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14788602
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(651)735-1102
<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>	651-735-1100
<b>Email:</b>	pairedocketing@ssiiplaw.com
<b>Correspondent Name:</b>	SHUMAKER & SIEFFERT, P.A.
<b>Address Line 1:</b>	1625 RADIO DRIVE
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<b>Address Line 4:</b>	WOODBURY, MINNESOTA 55125
<b>ATTORNEY DOCKET NUMBER:</b>	1014-801US01/JNP2349
<b>NAME OF SUBMITTER:</b>	RENEE L. WHITTAKER
<b>SIGNATURE:</b>	/Renee L. Whittaker/
<b>DATE SIGNED:</b>	06/30/2015
<b>Total Attachments: 2</b>	
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ASSIGNMENT

For valuable consideration, We, David C. Wood of Morden Villa, Melton Hill, Melton, Woodbridge IP12 1AZ, GB, Massimiliano Salsi of 1553 Stone Creek Drive, San Jose, CA 95135, US, and Steven B. Alleston of 18886 Devon Avenue, Saratoga, CA 95070, US, hereby assign to: Juniper Networks, Inc., having a place of business at: 1133 Innovation Way, Sunnyvale, California 94089 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled NETWORK TOPOLOGY OPTIMIZATION WITH FEASIBLE OPTICAL PATHS, filed June 30, 2015, and assigned U.S. Application Serial Number 14/788,602, this assignment including said application, any provisional application relating thereto, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignment  
Attorney Docket No.: 1014-801US01/ JNP2349-US

Date: Jun 25, 2015

  
David Charles Wood (Jun 25, 2015)

David C. Wood

Date: Jun 26, 2015

  
Massimiliano Salsi (Jun 26, 2015)

Massimiliano Salsi

Date: Jun 26, 2015

  
Steven B. Alleston (Jun 26, 2015)

Steven B. Alleston