

## 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>
NISCHAL SINGH	09/30/2015
RAHUL UNNIKRISHNAN	09/30/2015
HARIHARAN BOOPATHY	09/30/2015
<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>	94089-1206
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14871006
<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@ssiplaw.com
<b>Correspondent Name:</b>	SHUMAKER & SIEFFERT, P.A
<b>Address Line 1:</b>	1625 RADIO DRIVE , SUITE 300
<b>Address Line 4:</b>	WOODBURY, MINNESOTA 55125
<b>ATTORNEY DOCKET NUMBER:</b>	1014-808US01/JNP2370-US
<b>NAME OF SUBMITTER:</b>	JULIA A. EHRREICH
<b>SIGNATURE:</b>	/Julia A. Ehrreich/
<b>DATE SIGNED:</b>	09/30/2015
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

ASSIGNMENT

For valuable consideration, We, Nischal Singh of #971 3rd Floor, 25th 'A' Cross, 23rd Main II Sector HSR, Layout, Bangalore, KA 560102, IN, Rahul Unnikrishnan of B-201 Veracious Sonesta No. 38 Ashoka Avenue, Samanna lane K.R. Garden, Murugeshpalaya, Bangalore, KA 560017, IN, and Hariharan Boopathy of Flat No 103, A-Block Vascon Venus Apartments, Survey No 9, Beratena Agarahara Hosur Road, Electronic City P.O, Bangalore, KA 560100, IN, hereby assign to: Juniper Networks, Inc., having a place of business at: 1133 Innovation Way, Sunnyvale, CA 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 AVOIDING MULTICAST TRAFFIC LOSS IN NETWORKS HAVING MULTIHOMING DESIGNATED ROUTERS, filed September 30, 2015, and assigned U.S. Application Serial Number 14/871,006, this assignment including said application, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), any provisional application, 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 name 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.

Date: Sep 30, 2015

  
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Nischal Singh (Sep 30, 2015)


Nischal Singh

Date: Sep 30, 2015

  
Rahul Unnikrishnan (Sep 30, 2015)

Rahul Unnikrishnan

Date: Sep 30, 2015

  
Hariharan Boopathy (Sep 30, 2015)

Hariharan Boopathy