PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOSHERWAN MINWALLA	03/21/2018
GUANGYU ZHU	03/20/2018
DAVID TUNG	03/20/2018
AI HE	03/20/2018
JAYABHARAT BODDU	03/21/2018
MATTHEW JEREMY MELLIN	03/20/2018
JAVIER ANTICH	03/20/2018

RECEIVING PARTY DATA

Name:	JUNIPER NETWORKS, INC.
Street Address:	1133 INNOVATION WAY
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94098-1206

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15928932

CORRESPONDENCE DATA

Fax Number: (651)735-1102

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.

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Email:pairdocketing@ssiplaw.comCorrespondent Name:SHUMAKER & SIEFFERT, P.AAddress Line 1:1625 RADIO DRIVE, SUITE 100Address Line 4:WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:	1014-977US01/JNP2749-US
NAME OF SUBMITTER:	JULIA A. EHRREICH
SIGNATURE:	/Julia A. Ehrreich/
DATE SIGNED:	03/22/2018

PATENT REEL: 045319 FRAME: 0872

Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif

PATENT REEL: 045319 FRAME: 0873 Attorney Docket No.: 1014-977US01/JNP2749-US

ASSIGNMENT

For valuable consideration, we, Nosherwan Minwalla of 157 Finger Avenue, Redwood City, CA 94062 US, Guangyu Zhu of 1868 Trento Loop, Milpitas, CA 95035 US, David Tung of 290 Florence St., Sunnyvale, CA 94086 US, Ai He of 1360 Braebridge Road, San Jose, CA 95131 US, Jayabharat Boddu of 1444 Arbor Avenue, Los Altos, CA 94024 US, Matthew Jeremy Mellin of 239 Copco Lane, San Jose, CA 95123 US, and Javier Antich of Calle Trafalgar, 53-8, Valencia, 46023 ES, hereby assign to: Juniper Networks, Inc., having a place of business at: 1133 Innovation Way, Sunnyvale, CA 94089-1206, United States of America, 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 AUTOMATED NETWORK DEVICE MODEL CREATION USING RANDOMIZED TEST BEDS, filed March 22, 2018 , and assigned U.S. Serial Number 15/928,932 ; 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, 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.

> PATENT REEL: 045319 FRAME: 0874

Attorney Docket No.: 1014-977US01/JNP2749-US

Assignment

Date: Mar 21, 2018	Neotherwan Norbeatto (New 20, 2019)
— W. C.	Nosherwan Minwalla
Date: Mar 20, 2018	Guangyu Zhu
Date: Mar 20, 2018	David Tung
Date: Mar 20, 2018	Ai He
Date: Mar 21, 2018	Jayabharat Boddu
Date: Mar 20, 2018	Matthew Jeremy Mellin
Date: Mar 20, 2018	Javier Antich