PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MADHUKAR NAYAKBOMMAN	09/27/2018
MUHAMMAD QASIM ARHAM	09/27/2018

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:	16144650

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2014-038US01/JNP2889-US
NAME OF SUBMITTER:	JULIA A. EHRREICH
SIGNATURE:	/Julia A. Ehrreich/
DATE SIGNED:	09/27/2018

Total Attachments: 1

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PATENT 505116023

REEL: 046998 FRAME: 0485

Attorney Docket No.: 2014-038US01/JNP2889-US

ASSIGNMENT

For valuable consideration, we, Madhukar Nayakbomman of 3200 Zanker Road #1279, San Jose, CA 95134, United States of America and Muhammad Qasim Arham of 5289 Randwick Trl Frisco, TX 75034, United States of America, 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 DEPLOYMENT OF MICROSERVICES-BASED NETWORK CONTROLLER, filed September 27, 2018 , and 16/144,650 ; this assignment including said application, assigned U.S. Serial Number (and do hereby authorize the 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.

Date: Sep 27, 2018	Maribukar Nojoki zamasa i Ban 27, 2018;	
V	Madhukar Nayakbomman	
Date: Sep 27, 2018		
	Muhammad Qasim Arham	

PATENT REEL: 046998 FRAME: 0486