## 505998874 04/03/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID D. WARD	05/04/2016
CARLOS M. PIGNATARO	05/04/2016
FRANK BROCKNERS	05/04/2016

#### **RECEIVING PARTY DATA**

Name:	Cisco Technology, Inc.
Street Address:	170 West Tasman Drive
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134-1706

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16839273

#### **CORRESPONDENCE DATA**

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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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	0370.4010CN2/1000702-US04	
NAME OF SUBMITTER:	JAMES H. MAYFIELD	
SIGNATURE:	/James H. Mayfield/	
DATE SIGNED:	04/03/2020	

#### **Total Attachments: 6**

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#### **ASSIGNMENT**

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

WHEREAS, Cisco Technology, Inc. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 170 West Tasman Drive, San Jose, California 95134, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all provisional, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

TRIGGERED IN-BAND OPERATIONS, ADMINISTRATION, AND MAINTENANCE IN A NETWORK ENVIRONMENT

Full name of inventor:

David D. Ward

Inventor's signature:

2016.05.04

Post Office Address:

Date:

32460 Loma Chiquita Rd. Los Gatos, CA 95033

US

Title of Invention:

TRIGGERED IN-BAND OPERATIONS, ADMINISTRATION, AND MAINTENANCE IN A NETWORK ENVIRONMENT

Full name of inventor:

Carlos M. Pignataro

Inventor's signature:

Date:

Post Office Address:

5116 Terra Cotta Drive Raleigh, NC 27613

US

Title of Invention:

TRIGGERED IN-BAND OPERATIONS, ADMINISTRATION, AND MAINTENANCE IN A NETWORK ENVIRONMENT

Full name of inventor:

Frank Brockners

Inventor's signature:

Post Office Address:

May 14/2016

Date:

Gutenbergstrasse 26

50823 Köln

DE



### ASSIGNMENT

WHEREAS, I/we the undersigned inventor(s) (hereinafter "ASSIGNOR(S)") have invented certain new and useful improvements as set forth in the patent application entitled:

# TRIGGERED IN-BAND OPERATIONS, ADMINISTRATION, AND MAINTENANCE IN A NETWORK ENVIRONMENT

□which is being filed herewith ⊠which was filed on May 6, 2016 as United States Patent Application No. 15/1	148,864
(hereinafter the "Application").	

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the ASSIGNOR(S):

1) Have assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto **Cisco Technology, Inc.**, a California corporation having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706 (hereinafter "ASSIGNEE") and its successors and assigns, each ASSIGNOR's entire right, title, and interest in, to, and under, the Application and any and all improvements disclosed in the Application, as well as any and all other applications that may be based upon, and patent(s) which may be granted upon, the information that is disclosed in the Application, throughout the World, including without prejudice to the generality of the foregoing:

the right to file applications and to obtain patents or like protection (including, e.g., utility models, inventors' certificates, and/or designs) for the improvements in any country throughout the World, including the right to claim priority from any such application; and any and all provisional, non-provisional, divisional, continuing (whether a continuation or a continuation in part), substitute, renewal, reissue, and other applications for Letters Patent which have been or shall be filed in any country on any of the improvements; and in and to all original and reissued patents which have been or shall be filed in any country on any of the improvements;

- 2) Authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, as applicable, to issue the same to ASSIGNEE and its successors and assigns, in accordance with the terms of the instrument;
- 3) Covenant and agree, when requested and at no charge to, but at the expense of, ASSIGNEE and its successors and assigns, to: execute all applications for the improvements (including without

limitation any and all provisional, non-provisional, divisional, continuing (whether a continuation or a continuation in part), substitute, renewal, reissue, and other patent applications); execute all rightful oaths, assignments, powers of attorney and other papers; communicate to ASSIGNEE, its successors, assigns, and legal representatives, all facts known to the undersigned relating to the improvements and the history thereof; and perform any acts that ASSIGNEE, its successors, assigns or legal representatives consider reasonably necessary for securing and maintaining proper patent protection for the improvements, for vesting title to the improvements and all patent applications and patents for the improvements, in ASSIGNEE and its successors and assigns, and for enforcing the rights of ASSIGNEE and its successor and assigns, in and to any or all of the improvements and any application(s) or patent(s) therefor;

- Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that 4) I/we have not executed, and will not execute, any agreement in conflict herewith.
- Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the 5) benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or 6) relating to this assignment will be governed, interpreted, construed, and enforced in all respects in accordance with the laws of the State of California and by any controlling Federal U.S. law with respect to the subject matter, without reference to its choice of law principles to the contrary.
- Authorize a representative of Edell, Shapiro & Finnan, LLC, 9801 Washingtonian 7) Blvd., Suite 750, Gaithersburg, MD 20878, to insert in the blanks above the filing date and application number of the Application when known.

Signature:

RECORDED: 04/03/2020

Typed Name: Sawetha Subray Bhandari

Address: #312 5th B Cross, OMBR Layout, Banaswadi, Bangalore, Karnataka

560034, IN

**PATENT** 

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