

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5012124

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUPREETH RAO	05/14/2018
NAVINDRA YADAV	05/20/2018
UMAMAHESWARAN ARUMUGAM	05/14/2018
MICHAEL WATTS	05/20/2018
SHASHI GANDHAM	06/17/2018
DUY NGUYEN	05/30/2018
HAI VU	05/14/2018
PRASANNAKUMAR JOBIGENAHALLY MALLESHAIAH	05/15/2018
AIYESHA MA	05/16/2018
KAI ZHU	05/15/2018
DARSHAN SHRINATH PURANDARE	05/25/2018
JOTHI PRAKASH PRABAKARAN	05/18/2018

RECEIVING PARTY DATA

Name:	CISCO TECHNOLOGY, INC.
Street Address:	170 WEST TASMAN DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16011427

CORRESPONDENCE DATA

Fax Number: (415)248-2101

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.

Phone: 415-248-2125

Email: CiscoMail@polsinelli.com

Correspondent Name: CISCO TECHNOLOGY, INC. C/O POLSINELLI PC

Address Line 1: 1000 LOUISIANA STREET

Address Line 2: SIXTY-FOURTH FLOOR

PATENT

Address Line 4: HOUSTON, TEXAS 77002

ATTORNEY DOCKET NUMBER: 589532 (1015910-US.02)

NAME OF SUBMITTER: RYAN DAVIS

SIGNATURE: /Ryan Davis/

DATE SIGNED: 06/18/2018

Total Attachments: 13

source=085115-589532_1015910-US02_Assignments#page1.tif
source=085115-589532_1015910-US02_Assignments#page2.tif
source=085115-589532_1015910-US02_Assignments#page3.tif
source=085115-589532_1015910-US02_Assignments#page4.tif
source=085115-589532_1015910-US02_Assignments#page5.tif
source=085115-589532_1015910-US02_Assignments#page6.tif
source=085115-589532_1015910-US02_Assignments#page7.tif
source=085115-589532_1015910-US02_Assignments#page8.tif
source=085115-589532_1015910-US02_Assignments#page9.tif
source=085115-589532_1015910-US02_Assignments#page10.tif
source=085115-589532_1015910-US02_Assignments#page11.tif
source=085115-589532_1015910-US02_Assignments#page12.tif
source=085115-589532_1015910-US02_Assignments#page13.tif



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:

DISCOVERY OF MIDDLEBOXES USING TRAFFIC FLOW STITCHING

which is being filed herewith

which was filed on ____ as U.S. Provisional Patent Application No. _____ (hereinafter the "Application").

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

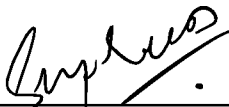
- 1) Have assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto **Cisco Technology, Inc.**, a California corporation having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706 (hereinafter "ASSIGNEE") and its successors and assigns, 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;

- 4) Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.
- 5) Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- 6) Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or 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.
- 7) Authorize a representative of **Polsinelli LLP, Three Embarcadero Center, Suite 2400, San Francisco, CA 94111**, to insert in the blanks above the filing date and application number of the Application when known.

Signature: _____  _____ Date: 14th May 2018
Typed Name: Supreeth Rao
Address: 21374 Dexter Dr.
Cupertino, CA 95014

Signature: _____ Date: _____
Typed Name: Navindra Yadav
Address: 10670 Randy Lane
Cupertino, CA 95014

Signature: _____ Date: _____
Typed Name: Umamaheswaran Arumugam
Address: 5302 Southbridge Pl.
San Jose, CA 95118

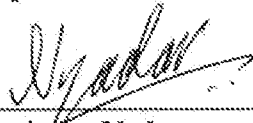
Signature: _____ Date: _____
Typed Name: Michael Watts
Address: 172 Florence Ave.
Mill Valley, CA 94941

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:

- 4) Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.
- 5) Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- 6) Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or 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.
- 7) Authorize a representative of **Polsinelli LLP, Three Embarcadero Center, Suite 2400, San Francisco, CA 94111**, to insert in the blanks above the filing date and application number of the Application when known.

Signature: _____
Typed Name: Supreeth Rao
Address: 21374 Dexter Dr.
Cupertino, CA 95014

Date: _____

Signature: 
Typed Name: Navindra Yadav
Address: 10670 Randy Lane
Cupertino, CA 95014

Date: 05/20/2018

Signature: _____
Typed Name: Umamaheswaran Arumugam
Address: 5302 Southbridge Pl.
San Jose, CA 95118

Date: _____

Signature: _____
Typed Name: Michael Watts
Address: 172 Florence Ave.
Mill Valley, CA 94941

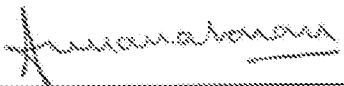
Date: _____

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:

- 4) Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.
- 5) Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- 6) Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or 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.
- 7) Authorize a representative of **Polsinelli LLP, Three Embarcadero Center, Suite 2400, San Francisco, CA 94111**, to insert in the blanks above the filing date and application number of the Application when known.

Signature: _____ Date: _____
Typed Name: Supreeth Rao
Address: 21374 Dexter Dr.
Cupertino, CA 95014

Signature: _____ Date: _____
Typed Name: Navindra Yadav
Address: 10670 Randy Lane
Cupertino, CA 95014

Signature:  _____ Date: 05/14/2018
Typed Name: Umamaheswaran Arumugam
Address: 5302 Southbridge Pl.
San Jose, CA 95118

Signature: _____ Date: _____
Typed Name: **Michael Watts**
Address: 172 Florence Ave.
Mill Valley, CA 94941

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;

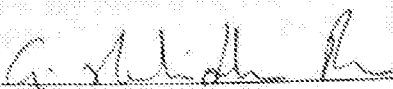
- 4) Covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.
- 5) Covenant and agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon me/us and my/our heirs, assigns, and legal representatives.
- 6) Covenant and agree that this assignment and any action, suit, proceeding or claim arising under or 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.
- 7) Authorize a representative of **Polsinelli LLP**, Three Embarcadero Center, Suite 2400, San Francisco, CA 94111, to insert in the blanks above the filing date and application number of the Application when known.

Signature: _____ Date: _____
Typed Name: Supreeth Rao
Address: 21374 Dexter Dr.
Cupertino, CA 95014

Signature: _____ Date: _____
Typed Name: Navindra Yadav
Address: 10670 Randy Lane
Cupertino, CA 95014

Signature: _____ Date: _____
Typed Name: Umamaheswaran Arumugam
Address: 5302 Southbridge Pl.
San Jose, CA 95118

Signature:  _____ Date: 5/20/18
Typed Name: **Michael Watts**
Address: 172 Florence Ave.
Mill Valley, CA 94941

Signature: 
Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

Date: 06/17/2018

Signature: _____
Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

Date: _____

Signature: _____
Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Date: _____

Signature: _____
Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Date: _____

Signature: _____
Typed Name: Aiyasha Ma
Address: 3290 18th St.
San Francisco, CA 94110

Date: _____

Signature: _____
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134

Date: _____

Signature: _____
Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536

Date: _____

Signature: _____ Date: _____

Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

Signature: _____ Date: 05/30/2018

Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

Signature: _____ Date: _____

Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Signature: _____ Date: _____

Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature: _____ Date: _____

Typed Name: Aiysha Ma
Address: 3290 18th St.
San Francisco, CA 94110

Signature: _____ Date: _____


Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134

Signature: _____ Date: _____

Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536

Signature: _____ Date: _____
Typed Name: Shashi Gundham
Address: 34525 Windlow Ter
Fremont, CA 94555

Signature: _____ Date: _____
Typed Name: Day Nguyen
Address: 1089 Adobe Creek Ct.
San Jose, CA 95127

Signature:  _____ Date: 5/14/2013
Typed Name: Hai Vu
Address: 3170 Mount Pleasant Drive
San Jose, CA 95148

Signature: _____ Date: _____
Typed Name: Prasanakumar Jeyapalanathan
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature: _____ Date: _____
Typed Name: Ayroba Ma
Address: 3290 18th St.
San Francisco, CA 94110

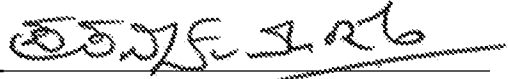
Signature: _____ Date: _____
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 360
San Jose, CA 95134

Signature: _____ Date: _____
Typed Name: Dandam Srinath Purandare
Address: 3699 Montecito Dr.
Fremont, CA 94536

Signature: _____ Date: _____
Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

Signature: _____ Date: _____
Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

Signature: _____ Date: _____
Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Signature:  Date: 05/15/2018
Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature: _____ Date: _____
Typed Name: Aiyasha Ma
Address: 3290 18th St.
San Francisco, CA 94110

Signature: _____ Date: _____
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134


Signature: _____ Date: _____
Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536

Signature: _____ Date: _____
Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

Signature: _____ Date: _____
Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

Signature: _____ Date: _____
Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Signature: _____ Date: _____
Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature:  _____ Date: 7/16/2018
Typed Name: Aiyeshā Ma
Address: 3290 18th St.
San Francisco, CA 94110

Signature: _____ Date: _____
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134

Signature: _____ Date: _____
Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536


Signature: _____ Date: _____
Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

Signature: _____ Date: _____
Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

Signature: _____ Date: _____
Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Signature: _____ Date: _____
Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature: _____ Date: _____
Typed Name: Aiyesha Ma
Address: 3290 18th St.
San Francisco, CA 94110

Signature:  Date: 5/15/2018
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134

Signature: _____ Date: _____
Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536

Signature: _____ Date: _____
Typed Name: Shashi Gandham
Address: 34525 Winslow Ter
Fremont, CA 94555

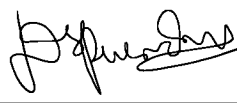
Signature: _____ Date: _____
Typed Name: Duy Nguyen
Address: 1009 Adobe Creek Ct.
San Jose, CA 95127

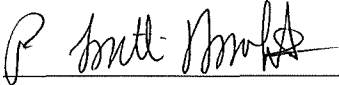
Signature: _____ Date: _____
Typed Name: Hai Vu
Address: 3170 Mount Oso Drive
San Jose, CA 95148

Signature: _____ Date: _____
Typed Name: Prasannakumar Jobigenahally Malleshaiah
Address: 1063 Morse Ave.
Apt 19-105
Sunnyvale, CA 94089

Signature: _____ Date: _____
Typed Name: Aiysha Ma
Address: 3290 18th St.
San Francisco, CA 94110

Signature: _____ Date: _____
Typed Name: Kai Zhu
Address: 1 Vista Montana, Apt 3402
San Jose, CA 95134

Signature:  _____ Date: **05/25/2018**
Typed Name: Darshan Shrinath Purandare
Address: 36999 Montecito Dr.
Fremont, CA 94536

Signature: 
Typed Name: Jothi Prakash Prabakaran
Address: 37952 Bright CMN.
Fremont, CA 94536

Date: 05/18/2018