504693195 12/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4739917

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAURABH AGARWAL	11/03/2017
RAHUL KACHALIA	12/12/2017
ANKUR BHARGAVA	11/03/2017
MANOJ NARAYAN	11/03/2017
SAIPRASAD MUCHALA	12/06/2017

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:	15845682

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: 415-248-2100

Email: CiscoMail@polsinelli.com

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

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NAME OF SUBMITTER:MATTHEW FRONTZSIGNATURE:/Matthew Frontz/DATE SIGNED:12/18/2017	ATTORNEY DOCKET NUMBER:	575859 (1012833-US.01)
The state of the s	NAME OF SUBMITTER:	MATTHEW FRONTZ
DATE SIGNED: 12/18/2017	SIGNATURE:	/Matthew Frontz/
	DATE SIGNED:	12/18/2017

Total Attachments: 6



Atty, Docket No.: CPOL 1012833-US.01 (085115-575859)



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:

SYSTEMS AND METHODS FOR ENABLING INTER-AGENT MULTICAST DOMAIN NAME SYSTEM CLIENT ROAMING IN WIDE AREA NETWORK

which is being filed herewith					
which was filed onas U.S.	Patent An	nlication N	0.		
(hereinafter the "Application").					

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

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:

Typed Name: Saurabh Agarwal

Address:

620 Park View Dr., Apt. Apt 306

Santa Clara, CA, 95054

Signature:

Typed Name: Rahul Kachalia

Address:

104 William Henry Way

Cary, NC 27519

Signature:

Typed Name: Ankur Bhargava

Address:

1350 Bordeaux Street

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Signature:

Typed Name: Makky Narayan

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275 Woodcreek Terrace

Fremont, CA 94539

PATENT

Date: 3/11/2017

Date: 11/03/2017

Date: 1/03/2017-

Date:

REEL: 044424 FRAME: 0927

Atty. Docket No.: CPOL 1012833-US.01 (085115-575859)

Signature: M Saiprasad Muchala

Date: 66-186-2017

Address:

#36 Second Cross Nisarga Layout

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Karnataka, 560037

India

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ASSIGNMENT

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SYSTEMS AND METHODS FOR ENABLING INTER-AGENT MULTICAST DOMAIN NAME SYSTEM CLIENT ROAMING IN WIDE AREA NETWORK

⊠which is being filed he	rewith	
□which was filed on	_as U.S. Patent Application No.	
(hereinafter the "Applie	cation").	

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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) Coverant and agree that the terms, coverants 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: Address	Saurabh Agarwal 620 Park View Dr., Apt. Apt 306 Santa Clara, CA, 95054	Date	
Signature: Typed Name: Address:	Rabul Kachalia 104 William Henry Way Cary, NC 27519	Date:	12/12/17
Signature Typed Name: Address	Ankur Bhargava 1350 Bordeaux Street Pleasanton, CA 94566	Date	
Signature Typed Name: Address:	Manoj Narayan 275 Woodcreek Terrace Fremont, CA 94539	Date	

Atty. Docket No.: CPOL 1012833-US.01 (085115-575859)

Signature:		Date:	
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PATENT REEL: 044424 FRAME: 0931

RECORDED: 12/18/2017