

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3767766

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
INTELLECTUAL VENTURES ASSETS 9 LLC	11/05/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CISCO SYSTEMS, INC.
<b>Street Address:</b>	170 WEST TASMAN DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134-1706
<b>PROPERTY NUMBERS Total: 16</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6708036
Patent Number:	6771934
Patent Number:	7720070
Patent Number:	7272121
Patent Number:	8483125
Patent Number:	6449246
Patent Number:	6633614
Patent Number:	6654431
Patent Number:	7203482
Patent Number:	7356015
Patent Number:	7835751
Patent Number:	8041360
Patent Number:	8509789
Application Number:	13931199
Application Number:	13932576
Application Number:	13964361
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)525-2912
<i>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.</i>	

PATENT

**Phone:** 408-525-3737  
**Email:** patent-administrators@cisco.com  
**Correspondent Name:** KAREN HALLOCK, CISCO SYSTEMS, INC.  
**Address Line 1:** 170 WEST TASMAN DRIVE  
**Address Line 2:** SJC 10/5  
**Address Line 4:** SAN JOSE, CALIFORNIA 95134-1706

<b>ATTORNEY DOCKET NUMBER:</b>	IV2 PATENT ASSGN 2
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<b>NAME OF SUBMITTER:</b>	KAREN A HALLOCK
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<b>SIGNATURE:</b>	/Karen A Hallock/
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<b>DATE SIGNED:</b>	03/03/2016
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**Total Attachments: 6**

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PATENT ASSIGNMENT

WHEREAS, Intellectual Ventures Assets 9 LLC, a Delaware limited liability corporation, with offices at 2711 Centerville Rd, Suite 400, Wilmington, DE 19808 USA ("ASSIGNOR") owns certain patent applications and/or registrations (defined below as the "PATENTS"); and

WHEREAS, Cisco Systems, Inc., a California corporation, with its principal place of business at 170 West Tasman Drive, San Jose, CA 95134-1706 USA ("ASSIGNEE"), desires to acquire all right, title and interest in and to the PATENTS;

WHEREAS, ASSIGNOR and ASSIGNEE have entered into a certain Patent Sale Agreement, dated September 30<sup>th</sup>, 2015, which, upon the closing, assigns all of ASSIGNOR'S right, title and interest in and to the PATENTS from ASSIGNOR to ASSIGNEE;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby irrevocably assigns, transfers, and conveys to ASSIGNEE, and ASSIGNEE hereby accepts and receives, all of ASSIGNOR'S right, title and interest throughout the world in and to the PATENTS to the full extent of its ownership or interest therein, including, without limitation, (i) any future reissues, reexaminations, extensions, patentable claims presented during post-grant reviews, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the PATENTS; (ii) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the PATENTS, (iii) all causes of action and enforcement rights of any kind (including, without limitation, all rights to seek and obtain remedies of any kind for past, current and future infringement) under, or on account of, any of the PATENTS and/or any of the items described in either of the foregoing categories (i) or (ii); and (iv) all rights to collect royalties or other payments under or on account of the PATENTS and/or rights listed in the foregoing categories (i), (ii), and (iii), except for such rights with respect to licenses and other rights existing as of the date hereof. "PATENTS" shall mean the patent applications and patents set forth in Attachment 1.

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IN WITNESS WHEREOF, ASSIGNOR and ASSIGNEE have caused this Patent Assignment to be duly executed by an authorized officer.

INTELLECTUAL VENTURES ASSETS 9 - ASSIGNOR

By: [Signature]

Name: Jim Wessfield

Title: AUTHORIZED

Date: 11/5/2015

State of Washington

County of King

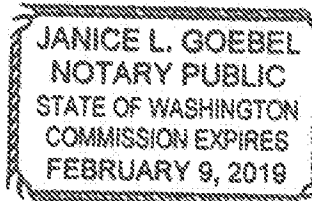
On Nov. 5, 2015 before me, Janice L. Goebel, Public Notary  
(insert name and title of the officer)

personally appeared Jim Wessfield, Authorized Person, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Janice L. Goebel (Seal)



Feb 9, 2019  
My commission expires on  
Janice L. Goebel

CISCO SYSTEMS, INC. - ASSIGNEE

By: 

Name:

Evan Sloves

Title:

Vice President & Secretary

Date:

February 22, 2016

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_

before me, \_\_\_\_\_

(insert name and title of the officer)

personally appeared \_\_\_\_\_

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

My commission expires on \_\_\_\_\_

## ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of California )

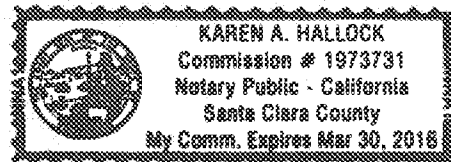
On February 22, 2016 before me, Karen A. Hallock, Notary Public  
(insert name and title of the officer)

personally appeared Evan Sloves  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Karen A. Hallock (Seal)



# Attachment 1

Patent No. (Application No.)	Country	Issue Date (Filing Date)	Title of Patent and Inventor(s)
6706036 (09/864846)	US	3/16/2004 (6/19/2001)	Methods and systems for adjusting sectors across coverage cells Paul Proctor; Paul G. Zablacky
6771934 (09/864637)	US	8/13/2004 (6/19/2001)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
7272121 (09/863844)	US	9/18/2007 (9/26/2001)	Methods and apparatus for a modular wireless system Joseph E. Wilkes; Paul G. Zablacky
CA2446521 (CA2446521)	CA	1/12/2010 (6/19/2002)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
DE60231978.1 (DE60231978.1)	DE	4/15/2009 (6/19/2002)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
FR1400025 (FR02744479.3)	FR	4/15/2009 (6/19/2002)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
GB1400025 (GB02744479.3)	GB	4/15/2009 (6/19/2002)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
JP4785720 (JP2006-327426)	JP	7/22/2011 (12/4/2008)	Methods and systems for reducing interference across coverage cells Stephanie Demers; Paul G. Zablacky; Shimon Moshavi
7720070 (11/676350)	US	5/18/2010 (2/15/2007)	Hybrid acknowledgement map format for data communication networks Yakun Li
8463125 (11/796181)	US	7/9/2013 (4/27/2007)	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Jonathon Legg
CN200885010685.3	CN	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
EP08736556.5	EP	4/24/2008	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
JP5608790 (JP2013-119226)	JP	9/5/2014 (4/24/2008)	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Inventorship not available
KR10-1475375 (KR10-2009-7020238)	KR	12/24/2014 (4/24/2008)	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg

<u>Patent No.</u> (Application No.)	<u>Country</u>	<u>Issue Date</u> (Filing Date)	<u>Title of Patent and Inventor(s)</u>
13/051159	US	6/28/2013	Multiplexing packets in high speed downlink packet access communications Peter Jonathon Legg
13/032676	US	7/1/2013	Multiplexing packets in packet communications Peter Jonathon Legg
JP2014-176923	JP	9/1/2014	Methods, base station, remote station and system for high speed downlink packet access (HSDPA) communication Peter Legg
6449246 (09/475219)	US	9/10/2002 (12/30/1999)	Multicarrier Personal Access Communication System Melbourne Barton; Kuok-Shoong Daniel Wong
6633614 (09/476466)	US	10/14/2003 (12/30/1999)	Multicarrier Personal Access Communication System Melbourne Barton; Kuok-Shoong Daniel Wong
6654431 (09/475218)	US	11/25/2003 (12/30/1999)	Multicarrier Personal Access Communication System Melbourne Barton; Kuok-Shoong Daniel Wong
7203482 (10/638056)	US	4/10/2007 (4/30/2004)	Authentication of mobile devices via proxy device Steven Blumenthal; Oliver C. Ibe
7356015 (10/638057)	US	4/8/2008 (4/30/2004)	Data handoff method between wireless local area network and wireless wide area network Oliver C. Ibe; Steven Blumenthal
TWI165535 (TW089111855)	TW	5/21/2002 (6/16/2000)	Multicarrier Personal Access Communication System Melbourne Barton; Kuok-Shoong Daniel Wong
CA2317140 (CA2317140)	CA	2/22/2005 (8/30/2000)	Multicarrier Personal Access Communication System Kuok-Shoong Daniel Wong; Melbourne Barton
CN200127082.6 (CN00127082.6)	CN	4/13/2005 (9/15/2000)	Multi-Carrier Individual Access Communication System Barton, Melbourne; Kuok-Shoong Daniel Wong
7635761 (10/688608)	US	11/16/2010 (10/17/2003)	Method and seamless roaming between wireless local area networks and cellular carrier networks Jianyu Zeng; Oliver C. Ibe
8041360 (12/674183)	US	10/16/2011 (9/1/2010)	Method and seamless roaming between wireless local area networks and cellular carrier networks Jianyu Zeng; Oliver C. Ibe
8506760 (13/267680)	US	8/13/2013 (10/6/2011)	Method of seamless roaming between wireless local area networks and cellular carrier networks Jianyu Zeng; Oliver C. Ibe
13/964361	US	8/12/2013	Method of seamless roaming between wireless local area networks and cellular carrier networks Jianyu Zeng; Oliver C. Ibe