PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2582547

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY D	ATA			
		Name	Execution Date	
TAE HWANG			10/15/2013	
RECEIVING PARTY DA	ATA			
Name:	Cisco Technology, Inc.			
Street Address:	170 West Tasman Drive			
City:	San Jose			
State/Country:	CALIFORNIA			
Postal Code:	95134-1706			
	S Total: 1			
Property Type		Number		
Application Number: 14056		4056072		
CORRESPONDENCE DATA				
Fax Number: (301)762-4056				
				101
Phone:	301-42	4-3640		14056072
Phone: Email:	301-42 mail@u	4-3640 usiplaw.com		
Phone: Email:	301-42 mail@u sent via US Mail	4-3640		
Phone: Email: <i>Correspondence will be</i> Correspondent Name: Address Line 1:	301-42 mail@u s <i>sent via US Mail</i> D. ANE 9801 W	4-3640 usiplaw.com <i>when the email attempt is unsuccessful.</i> DREW FLOAM VASHINGTONIAN BLVD.		00 00\$
Phone: Email: <i>Correspondence will be</i> Correspondent Name: Address Line 1: Address Line 2:	301-42 mail@u s <i>sent via US Mail</i> D. ANE 9801 W SUITE	4-3640 usiplaw.com <i>when the email attempt is unsuccessful.</i> DREW FLOAM VASHINGTONIAN BLVD. 750		
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Phone: Email: <i>Correspondence will be</i> Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	301-42 mail@u e <i>sent via US Mail</i> D. ANE 9801 W SUITE GAITH	4-3640 usiplaw.com <i>when the email attempt is unsuccessful.</i> DREW FLOAM VASHINGTONIAN BLVD. 750 ERSBURG, MARYLAND 20878		00 00\$
Phone: Email: <i>Correspondence will be</i> Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	301-42 mail@u e <i>sent via US Mail</i> D. ANE 9801 W SUITE GAITH	4-3640 usiplaw.com <i>when the email attempt is unsuccessful.</i> DREW FLOAM VASHINGTONIAN BLVD. 750 ERSBURG, MARYLAND 20878 0370.1564C (986425)		00 00\$
Phone: Email: <i>Correspondence will be</i> Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER	301-42 mail@u e <i>sent via US Mail</i> D. ANE 9801 W SUITE GAITH	4-3640 usiplaw.com <i>when the email attempt is unsuccessful.</i> DREW FLOAM VASHINGTONIAN BLVD. 750 ERSBURG, MARYLAND 20878 0370.1564C (986425) AMOL PUROHIT		00 00\$

PATENT REEL: 031431 FRAME: 0512

ASSIGNMENT

For good and valuable consideration, I, Tae Hwang, residing at 9613 Park Ave, Laurel, MD 20723, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Cisco Technology, Inc., a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

entitled: Proxy Address Resolution Protocol on a Controller Device

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and all patents on

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:

DATE: 10/15/13