PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IJSBRAND WIJNANDS	01/21/2015
GREGORY J. SHEPHERD	01/21/2015
JOHN H.W. BETTINK	01/22/2015

RECEIVING PARTY DATA

Name:	CISCO TECHNOLOGY, INC.	
Street Address:	170 W. TASMAN DRIVE	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95134-1706	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14603580

CORRESPONDENCE DATA

Fax Number: (512)439-5099

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Correspondent Name: CAMPBELL STEPHENSON LLP
Address Line 1: 11401 CENTURY OAKS TERRACE

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ATTORNEY DOCKET NUMBER:	CIS0348US
NAME OF SUBMITTER:	BEATRICE ZEPEDA
SIGNATURE:	/Beatrice Zepeda/
DATE SIGNED:	01/23/2015

Total Attachments: 3

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PATENT 503149390 REEL: 034802 FRAME: 0323

Attorney Docket No.: CIS0348US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Ijsbrand WijnandsofLeuven, BelgiumGregory J. ShepherdofEugene, OregonJohn H.W. BettinkofSan Jose, California

hereby sell, assign and transfer to Cisco Technology, Inc., a California corporation, having a place of business at 170 W. Tasman Drive, San Jose, California, 95134-1706, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

BIT INDEXED EXPLICIT REPLICATION FORWARDING OPTIMIZATION

for which we filed a United States Patent Application on January 23, 2015, which now has Application Serial No. 14/603,580, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

We further authorize and request the attorneys appointed as representatives in this application to hereafter complete this assignment by inserting above the filing date and application number of this application when known.

Executed this $\frac{21}{}$ day of	January , 20 15.
	ljsbrand Wijnands
Executed this day of _	, 20
	Gregory J. Shepherd
Executed this day of _	
	John H.W. Bettink

PATENT REEL: 034802 FRAME: 0324

Attorney Docket No.: CIS0348US

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Executed this	day of	, 20
		Ijsbrand Wijnands
Executed this 2	day of 322	NUARY . 2015.
		Gregorya Shepherd
Executed this	day of	. 20
		John H.W. Bettink

PATENT REEL: 034802 FRAME: 0325

Attorney Docket No.: CIS0348US

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Executed this	day of	
		Ijsbrand Wijnands
Executed this	_day of	, 20
		Gregory J. Shepherd
Executed this 22	day of Ja	J. H. hyb Better 12
		John H.W. Bettink

PATENT REEL: 034802 FRAME: 0326

RECORDED: 01/23/2015