#### 503711575 02/26/2016

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOERLESS ECKERT	02/22/2016
IJSBRAND WIJNANDS	02/25/2016
GREGORY J. SHEPHERD	02/23/2016
NEALE D. R. RANNS	02/25/2016

#### **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:	15054480

#### **CORRESPONDENCE DATA**

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Email: rdonaldson@cspatents.com
Correspondent Name: CAMPBELL STEPHENSON LLP
Address Line 1: 11401 CENTURY OAKS TERRACE

Address Line 2: BUILDING H; SUITE 250
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ATTORNEY DOCKET NUMBER:	CIS0363US
NAME OF SUBMITTER:	ROZ DONALDSON
SIGNATURE:	/Roz Donaldson/
DATE SIGNED:	02/26/2016

#### **Total Attachments: 3**

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PATENT 503711575 REEL: 037839 FRAME: 0072

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PATENT REEL: 037839 FRAME: 0073

Attorney Docket No.: CIS0363US

#### **ASSIGNMENT**

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

Toerless Eckert of Mountain View, California USA

Ijsbrand Wijnands of Leuven, Belgium Gregory J. Shepherd of Eugene, Oregon USA

Neale D.R. Ranns of Basingstoke, United Kingdom

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:

#### FAILURE ENGINEERING FOR TRAFFIC-ENGINEERED BIT INDEXED EXPLICIT REPLICATION

for which we filed a United States Patent Application on February 26, 2016, which now has Application Serial No. 15/054, 480, 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 22.	day of Felon	rayy Torker	.2016.
		Toerless Eckert	
Exacuted this	day of		20
Executed tills	_ day or		, 20
		Ijsbrand Wijnands	**************************************
n . tal	1		00
Executed this	_ day of		, 20
		Gregory J. Shepherd	
Executed this	_day of		, 20
		Neale D. R. Ranns	

PATENT REEL: 037839 FRAME: 0074

Attorney Docket No.: CISS363US

#### ASSIGNMENT

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

Toerless Eckert

of Mountain View, California USA

Ijsbrand Wijnands

of Leuven, Belgium of Eugene, Oregon USA

Gregory J. Shepherd Neale D.R. Ranns

of Basingstoke, United Kingdom

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Executed this day of	
	Toerless Eckert
Executed thisday of	
	Ijsbrand Wijnands
Executed this 23 day of E	
	Gregory / Stephend
Executed thisday of	
	Neale D. R. Rams

PATENT REEL: 037839 FRAME: 0075

Attorney Docket No.: CIS0363US

#### ASSIGNMENT

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

Toerless Eckert Ijsbrand Wijnands

of Mountain View, California USA of Leuven, Belgium

Ijsbrand Wijnands
Gregory J. Shepherd

of Eugene, Oregon USA

Neale D.R. Ranns of

of Basingstoke, United Kingdom

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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 day of _	
	Toerless Eckert
Executed this 25 day of	
	Ijsbrand Wijnards
Executed this day of _	
	Gregory J. Shepherd
Executed this 25 day of _	FEBRUARY, 2016.

Neale D. R. Ranns

PATENT REEL: 037839 FRAME: 0076

RECORDED: 02/26/2016