

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4379510

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHIVAJI P. DIWANE	04/17/2017
SUNDARA PAAL RANI THIRUMALAIAPPAN	04/18/2017
YOGAPRIYA GUNASEKARAN	04/17/2017
VIMAL AIYAPPATH NARAIN	04/18/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CISCO TECHNOLOGY, INC.
<b>Street Address:</b>	170 WEST TASMAN DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15493872
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)918-7878
<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>	
<b>Phone:</b>	(617) 918-7602
<b>Email:</b>	patent@piblaw.com, elaine.cruz@piblaw.com
<b>Correspondent Name:</b>	PARKER IBRAHIM & BERG LLC
<b>Address Line 1:</b>	ONE FINANCIAL CENTER, 15TH FLOOR
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02111
<b>ATTORNEY DOCKET NUMBER:</b>	0140967.U
<b>NAME OF SUBMITTER:</b>	JAMES M. BEHMKE
<b>SIGNATURE:</b>	/James M. Behmke/
<b>DATE SIGNED:</b>	04/21/2017
<b>Total Attachments: 3</b>	
source=0140967U_Assignment#page1.tif	
source=0140967U_Assignment#page2.tif	
source=0140967U_Assignment#page3.tif	

## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Shivaji P. Diwane;  
Sundara Paal Rani Thirumalaiappan; Yogapriya Gunasekaran; and Vimal Aiyappath Narain  
(hereinafter referred to as Assignors), residing at 2368 Via Espada, Pleasanton,  
California 94566; 1355 Sage Hen Way - Apt G, Sunnyvale, California 94087;  
128 Cedar Lane, San Jose, California 95127; and 2830 Carissa Court, Pleasanton,  
California 94588, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in  
ADVANCE REMOTE FAILURE NOTIFICATION (ARFN), *set forth in* a Patent application  
for Letters Patent of the United States, filed herewith; and

WHEREAS, Cisco Technology, Inc., a Corporation organized under and pursuant  
to the laws of California having its principal place of business at 170 West Tasman Drive,  
San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the  
entire right, title and interest in and to said inventions and said Application for Letters Patent of  
the United States, and in and to any Letters Patent of the United States to be obtained therefore  
and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is  
hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these  
presents do sell, assign, transfer and set over, unto Assignee, its successors, legal  
representatives and assigns, the entire right, title and interest in and to the above-mentioned  
inventions and application for Letters Patent, and in and to any and all direct and indirect  
divisions, continuations and continuations-in-part of said application, and any and all Letters  
Patent in the United States and all foreign countries which may be granted therefore and  
thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under  
the International Convention for the Protection of Industrial Property, the same to be held and  
enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal  
representatives and assigns, to the full end of the term or terms for which Letters Patent may be  
granted and/or extended, as fully and entirely as the same would have been held and enjoyed by  
Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

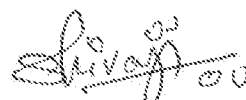
AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

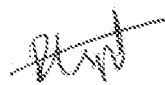
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

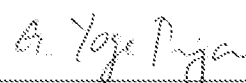
PARKER IBRAHIM & BERG LLC


All practitioners at Customer Number 126982

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 04/17/2017 Signature:   
Shivaji P. Diwane

Date: 04/18/2017 Signature:   
Sundara Paal Rani Thirumalaiappan

Date: 04/17/2017 Signature:   
Yogapriya Gunasekaran

Date: April 18/2017 Signature:   
Vimal Aiyappath Narain