502558225 11/05/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2603912

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY	DATA					
<u> </u>			Name		Execution Date	
STEFAN PFNUER				11/0	05/2013	
RECEIVING PARTY [DATA					
Name: CISCO TECHNOLOGY, INC.						
Street Address:	170 WEST TA					
City:	SAN JOSE			-		
State/Country:	CALIFORNIA					
Postal Code:	95134-1706					
Property	RS Total: 1		Number			
Property		1.1070				
		14072				
Property	Туре	14072				
Property Application Number: CORRESPONDENCE Fax Number:	Type E DATA		182			
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Property Application Number: CORRESPONDENCE Fax Number: Phone: Email: Correspondence will of the correspondent Name Address Line 1: Address Line 2: Address Line 4:	Type E DATA 4046 talle be sent via US Ma : MEU 817 SUITATL	6457700 y@mcc ail when JNIER (W. PEA TE 500	0 ciplaw.com n the email attempt is unsuccessful. CARLIN & CURFMAN LLC ACHTREE STREET GEORGIA 30308 10143-088US1 - 986056			

PATENT REEL: 031547 FRAME: 0175

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Total Attachments: 2

Attorney Docket No. 10143-088US1 Cisco Reference Number: 986056

ASSIGNMENT

For valuable consideration, I, Stefan Pfnuer of 3500 Palmilla Drive #3010, San Jose, CA 95134, hereby assign to:

CISCO TECHNOLOGY, INC.

a California corporation, having a place of business at: 170 West Tasman Drive
San Jose, California 95134-1706

and its successors and assign (collectively hereinafter "the Assignee"), the entire right, title, and
interest throughout the world in the inventions and improvements that are subject of an
application for United States Patent signed by me, titled EFFICIENT OPTICAL
COMMUNICATION DEVICE, filed on November 5 , 2013 and assigned U.S.
Application No. 14/072,182 , and I authorize and request the attorneys appointed in
said application to hereafter complete this assignment by inserting above the filing date and
serial number of said application when known; this assignment including said application, any
and all United States and foreign patents, utility models, and design registrations granted for any
of said inventions or improvements, and the right to claim priority based on the filing date of said
application under the International Convention for the Protection of Industrial Property, the
Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like
purposes; and I authorize the Assignee to apply in all countries in my name or in its own name
for patents, utility models, design registrations and like rights of exclusion and for inventors'
certificates for said inventions and improvements; and I agree for me and my respective heirs,
legal representatives and assigns, without further compensation to perform such lawful acts and
to sign such further applications, assignments, Preliminary Statements and other lawful
documents as the Assignee may reasonably request to effectuate fully this assignment.

Attorney Docket No. 10143-088US1 Cisco Reference Number: 986056

Stefan Pfnuer	Date: 4/5//3
WITNESSED BY:	
Signature	Date:
Typed or Printed Name	
Witness Address	