PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY DATA						
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Dr. Christopher Fludger				07/05/2010		
RECEIVING PARTY DATA						
Name:	CoreOptics Gm	ъH				
Street Address:	Nordostpark 12-14,					
City:	Numberg					
State/Country:	GERMANY					
Postal Code:	90411					
PROPERTY NUMBERS Total: 1						
Property Type		Number				
Application Number: 129207		129207	05			
CORRESPONDENCE DATA Fax Number: 4085265952 Correspondence will be sent via US Mail when the fax attempt is unsuccessful.						
Fax Number: 4085265952						
Phone: 408-525-3737 Email: patent-administrators@cisco.com						
Email: patent-administrators@cisco.com Correspondent Name: Karen A. Hallock						
Address Line 1: 170 West Tasman Drive					\$40.00	
Address Line 2: 10/2/1						
Address Line 4: San Jose, CALIFORNIA 95134-1706						
ATTORNEY DOCKET NUMBER:			COREOPTICS			
NAME OF SUBMITTER:			Karen A. Hallock			
Signature:			/Karen A Hallock/			
Date:			09/26/2013			
Total Attachments: 3 source=Coreoptics assignment from inventor#page1.tif source=Coreoptics assignment from inventor#page2.tif source=Coreoptics assignment from inventor#page3.tif						

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CONFIRMATION AND ASSIGNMENT

I. The person(s) named below as Inventor (referred to as "INVENTOR" whether singular or plural) hereby confirms that the following has been fully transferred from the INVENTOR to CoreOptics GmbH, having a place of business at Nordostpark 12-14, 90411 Nürnberg, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, under the German Act on Employees' Inventions ("Gesetz über Arbeitnehmererfindungen"):

1. The entire worldwide right and title in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following applications and registrations filed under the European Patent Convention or the German Patent Act, the UK Patents Act 1977, or any other patent laws or regulations ("APPLICATION"):

• Application No. 08102343.4, entitled "Phase control circuit and method for optical receivers", filed on 6 March 2008.

2. The entire worldwide right and title in and to:

(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in Germany or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

In agreement with applicable German law, ASSIGNEE confirms that remuneration for the SUBJECT MATTER ("REMUNERATION") will be executed in compliance with the German Act on Employees' Inventions and the associated "Guidelines for the Remuneration of Employee's Inventions in Private Employment" ("Richtlinien für die Vergütung von Arbeitnehmererfindungen im privaten Dienst") as amended from time to time.

The INVENTOR confirms that he has released the ASSIGNEE against payment of an amount of EUR 1,000 from the obligation to file a national patent, to release it internationally and to transfer claim-options (Sec. 13 para. 1, 14 para 2 and 16 para 1 German Act on Employee's Inventions). In case that there shall have been any legal defect with regard to this release INVENTOR hereby releases the ASSIGNEE (for no further consideration) from the obligation to file a national patent, to release it internationally and to transfer claim-options (Sec. 13 para. 1, 14 para 2 and 16 para 1 German Act on Employee's Inventions).

II. In case that there shall have been any legal defect making the original transfer of rights under the German Act on Employee's Inventions, as confirmed per clause 1 above, ineffective, the following assignment shall be applicable.

Attorney Docket No: CO13EP

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23673/02021/DOCS/2263111.1

PATENT REEL: 031292 FRAME: 0782

Title:	Phase control circuit and method for optical receivers
Filed:	6 March 2008
Application No.:	08102343.4

Without any legal obligation to do so, the INVENTOR hereby assigns all of the rights and title in the SUBJECT MATTER that are disclosed in the APPLICATIONS and that have been released by the ASSIGNEE as the employer in any way and for any reason to the ASSIGNEE. The ASSIGNEE declares that he has an interest in having the SUBJECT MATTER transferred to him, although he has no legal claim to such transfer resulting from the German Act on Employee's Inventions. The ASSIGNEE hereby accepts the assignment of the rights and title to the SUBJECT MATTER.

With regard to the assigned rights and title to the SUBJECT MATTER the ASSIGNEE confirms that compensation for the assignment ("COMPENSATION") will be calculated in analogy to the calculation of the adequate remuneration regarding the transfer of rights to an invention and in analogy to the German Act on Employees' Inventions and the associated "Guidelines for the Remuneration of Employee's Inventions in Private Employment" (Richtlinien für die Vergütung von Arbeitnehmererfindungen im privaten Dienst") as amended from time to time.

III. INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

IV. INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

V. INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR – with the exception of the REMUNERATION as named in clause 1 above or the COMPENSATION named in clause 2 above respectively – has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

VI. INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the German Patent Office and/or European Patent Office and/or any other Patent Office for recordation of this document.

VII. This Confirmation and Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Confirmation and Assignment.

Attorney Docket No:CO13EP

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23673/02021/DOCS/2263111.1

PATENT REEL: 031292 FRAME: 0783

Title: Filed: Application No.:

Phase control circuit and method for optical receivers 6 March 2008 08102343.4

Name and Signature of Inventor

Dr. Christopher Fludger

Name and Signature of Assignee

Georg Röll

i. A. lloa

Date of Signature , 2010

Date of Signature

5 , 2010

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PATENT REEL: 031292 FRAME: 0784

RECORDED: 09/26/2013