

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Juergen Hauenschild	07/26/2011
Chris Fludger	07/26/2011
Thomas Duthel	07/26/2011
<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>	95134-1706
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13191642
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0370.0885C
<b>NAME OF SUBMITTER:</b>	Joshua Puvak
<b>Total Attachments: 1</b> source=ExecutedAssn#page1.tif	

OP \$40.00 13191642

ASSIGNMENT

For good and valuable consideration, WE, Juergen Hauenschield, a citizen of Germany, residing at Akademiestrasse 34, 44789 Bochum, Germany; Chris Fludger, a citizen of the United Kingdom, residing at Kasperackerweg 6, 90482 Nuremberg, Germany; and Thomas Duthel, a citizen of Germany, residing at Grolandstrasse 72, 90408 Nuremberg, Germany, hereinafter individually or collectively referred to as "Assignor";

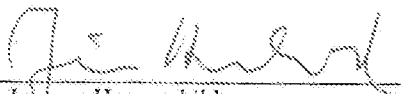
Hereby sell, assign and transfer to **Cisco Technology, Inc.**, a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

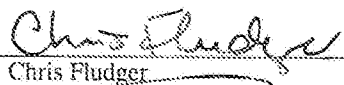
entitled: **ELECTRICAL MODULATOR DRIVER CIRCUIT FOR GENERATING  
MULTI-LEVEL DRIVE SIGNALS FOR QAM OPTICAL TRANSMISSION**

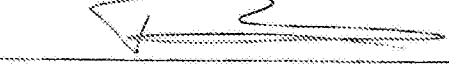
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:  DATE: 26 July 2011  
Juergen Hauenschield

SIGNATURE:  DATE: 26 July 2011  
Chris Fludger

SIGNATURE:  DATE: 26 July 2011  
Thomas Duthel