

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Christopher T. Bernard</td><td>06/09/2008</td></tr><tr><td>Charles J. Eddleston</td><td>06/09/2008</td></tr></tbody></table>	Name	Execution Date	Christopher T. Bernard	06/09/2008	Charles J. Eddleston	06/09/2008					
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Christopher T. Bernard	06/09/2008										
Charles J. Eddleston	06/09/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Calix Networks, Inc.</td></tr><tr><td>Street Address:</td><td>1035 N. McDowell Boulevard</td></tr><tr><td>City:</td><td>Petaluma</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94954</td></tr></table>	Name:	Calix Networks, Inc.	Street Address:	1035 N. McDowell Boulevard	City:	Petaluma	State/Country:	CALIFORNIA	Postal Code:	94954	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12115220</td></tr></tbody></table>	Property Type	Number	Application Number:	12115220							
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CORRESPONDENCE DATA											
Fax Number: (651)735-1102 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Michael J. Ostrom Reg. No. 58,730										
Total Attachments: 1 source=ASSIGNMENT#page1.tif											

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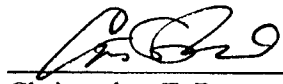
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PATENT  
REEL: 021148 FRAME: 0446

ASSIGNMENT

For valuable consideration, we, Christopher T. Bernard of 353 Wise Avenue, Wayzata, Minnesota 55391 and Charles J. Eddleston of 2761 Upton Avenue S., Minneapolis, Minnesota 55416, hereby assign to: Calix, Inc., having a place of business at: 1035 N. McDowell Boulevard, Petaluma, CA 94954 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled UPGRADE RESILIENT MULTI-TRANSPORT OPTICAL NETWORK TERMINAL, filed May 5, 2008, and assigned U.S. Serial Number 12/115,220; this assignment including said application, any provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, 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 we authorize the Assignee to apply in all countries in our 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 we agree for ourselves and our 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.

Date: 06/09/08

  
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Christopher T. Bernard

Date: 6/9/08

  
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Charles J. Eddleston