

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4139371

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	MERGER		
<b>EFFECTIVE DATE:</b>	08/03/2015		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
CYAN INC.			08/03/2015
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	CIENA CORPORATION		
<b>Street Address:</b>	7035 RIDGE ROAD		
<b>City:</b>	HANOVER		
<b>State/Country:</b>	MARYLAND		
<b>Postal Code:</b>	21076		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	15349551		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(704)366-9744		
<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>	704-790-3600		
<b>Email:</b>	patlaw@worldpatents.com		
<b>Correspondent Name:</b>	CLEMENTS BERNARD PLLC		
<b>Address Line 1:</b>	4500 CAMERON VALLEY PARKWAY		
<b>Address Line 2:</b>	SUITE 350		
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28211		
<b>ATTORNEY DOCKET NUMBER:</b>	10.2312.CON		
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER L. BERNARD		
<b>SIGNATURE:</b>	/Christopher L. Bernard/		
<b>DATE SIGNED:</b>	11/11/2016		
<b>Total Attachments: 7</b>			
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# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"CYAN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "CIENA CORPORATION" UNDER THE NAME OF "CIENA CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRD DAY OF AUGUST, A.D. 2015, AT 8:03 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2314539 8100M

151122676

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2608964

DATE: 08-03-15

PATENT  
REEL: 040290 FRAME: 0933

**CERTIFICATE OF OWNERSHIP AND MERGER  
MERGING  
CYAN, INC.  
WITH AND INTO  
CIENA CORPORATION**

**August 3, 2015**

Pursuant to Section 253 of the General Corporation Law of the State of Delaware (the "DGCL"), Ciena Corporation, a Delaware corporation (the "Corporation"), hereby certifies the following information relating to the merger (the "Merger") of Cyan, Inc., a Delaware corporation and wholly owned subsidiary of the Corporation (the "Subsidiary"), with and into the Corporation, with the Corporation remaining as the surviving corporation:

**FIRST:** The Corporation is incorporated and existing under the DGCL. The Subsidiary is incorporated and existing under the DGCL.

**SECOND:** The Corporation owns all of the outstanding shares of each class of capital stock of the Subsidiary.

**THIRD:** The Board of Directors of the Corporation, by resolutions duly adopted in accordance with Section 141(f) of the DGCL by written consent effective August 3, 2015 and attached hereto as Exhibit A, determined to merge the Subsidiary with and into the Corporation pursuant to Section 253 of the DGCL.

**FOURTH:** The Corporation shall be the surviving corporation of the Merger.

**FIFTH:** The Certificate of Ownership and Merger and the Merger shall become effective upon the filing of such Certificate of Ownership and Merger with the Delaware Secretary of State.

*[Signature Page Follows]*

**IN WITNESS WHEREOF**, Ciena Corporation has caused this Certificate of Ownership and Merger to be executed by its duly authorized officer on the date first set forth above.

**CIENA CORPORATION**

By: \_\_\_\_\_

Name: David M. Rothenstein

Title: Senior Vice President, General  
Counsel and Secretary

[Signature Page to Certificate of Ownership and Merger]

**Exhibit A**

**RESOLUTIONS OF THE BOARD OF DIRECTORS  
OF CIENA CORPORATION**

(Attached)

**UNANIMOUS WRITTEN CONSENT  
OF THE BOARD OF DIRECTORS OF  
CIENA CORPORATION**

**JULY 28, 2015**

The undersigned, being all of the members of the Board of Directors (the "**Board**") of Ciena Corporation, a Delaware corporation (the "**Company**"), for the purpose of taking action without a meeting of the Board pursuant to Section 141(f) of the General Corporation Law of the State of Delaware, hereby consent to the taking of the following actions without the holding of a meeting and hereby adopt the following resolutions, which shall have the same force and effect as if taken by unanimous affirmative vote at a meeting of the Board duly called and held, and hereby direct that this written consent to such action be filed with the minutes of the proceedings of the Board:

**Approval of Short-Form Merger**

**WHEREAS**, the Company entered into that certain Agreement and Plan of Merger, dated as of May 3, 2015 (the "**Merger Agreement**"), among the Company, Neptune Acquisition Subsidiary, Inc., a wholly owned Subsidiary of the Company ("**Sub**") and Cyan, Inc. ("**Cyan**"), as amended, pursuant to which Sub will be merged with and into Cyan, with Cyan surviving as a wholly-owned subsidiary of the Company (the "**Initial Merger**"), and, immediately following the consummation thereof, and as part of a single integrated transaction, Cyan will merge with and into the Company and thereafter the separate existence of Cyan shall cease (the "**Merger**") at the effective time of the Merger (the "**Effective Time**").

**WHEREAS**, as of the effective time of the Initial Merger (the "**Initial Merger Effective Time**"), the Company owns all of the outstanding shares of the capital stock of Cyan; and

**WHEREAS**, the Board has deemed it advisable that Cyan be merged with and into the Company pursuant to Section 253 of the General Corporation Law of the State of Delaware, with the Company being the surviving corporation of the Merger.

**NOW, THEREFORE, BE IT RESOLVED**, that Cyan be merged with and into the Company pursuant to and in accordance with Section 253 of the General Corporation Law of the State of Delaware;

**FURTHER RESOLVED**, that by virtue of the Merger and without any action on the part of the holder thereof, each then outstanding share of capital stock of the Company shall remain unchanged and continue to remain outstanding as one share of capital stock of the Company, held by the person who was the holder of such share of capital stock of the Company immediately prior to the Merger;

**FURTHER RESOLVED**, that by virtue of the Merger and without any action on the part of the holder thereof, each then outstanding share of capital stock of Cyan shall be canceled and no consideration shall be issued in respect thereof; and

**FURTHER RESOLVED**, that the proper officers of the Company be, and each hereby is, authorized and directed to make, execute and acknowledge, in the name and on behalf of the Company, a certificate of ownership and merger for the purpose of effecting the Merger and to file the same in the office of the Secretary of State of the State of Delaware, and to do all other acts and things that may be necessary to carry out and effectuate the purpose and intent of the resolutions relating to the Merger.

**General Ratification and Authorization**

**FURTHER RESOLVED**, that all actions taken and all agreements, applications, instruments, certificates, reports and documents executed, delivered or filed through the date hereof by the officers of the Company (the "**Authorized Officers**"), or any one or more of them, in the name and on behalf of the Company, acting on

its own behalf and on behalf of its subsidiaries, in connection with, and consistent with, any of the foregoing resolutions are hereby approved, ratified and confirmed in all respects; and

**FURTHER RESOLVED**, that in addition to and without limiting the foregoing, the Authorized Officers, or any one or more of them, are hereby authorized and directed to take, or cause to be taken, in the name and on behalf of the Company, such further actions in order to execute, deliver and file, or cause to be executed, delivered or filed, all such agreements, instruments and other documents as any Authorized Officer may deem to be necessary, desirable or appropriate to effect the purpose and intent of the foregoing resolutions (as conclusively, but not exclusively, evidenced by the taking of such action or the execution, delivery or filing of such agreements, instruments or documents, as the case may be, by or under the direction of any Authorized Officer).

*[Remainder of page intentionally left blank]*



This Consent is a consent of persons who are, and who upon effectiveness of this Consent will be, all of the members of the Board. Each of the undersigned has executed this Consent on the date first set forth above (the "**Date of Execution**"). This Consent shall be effective immediately following the Initial Merger Effective Time. This Consent shall be deemed revoked if it has not become effective within 60 days of the Date of Execution, which Date of Execution is the date on which provision for the effectiveness of this Consent has been made. This Consent may also be revoked by the undersigned at any time prior to the Initial Merger Effective Time.

**IN WITNESS WHEREOF**, each of the undersigned has executed this Consent (which consent may be executed in two or more counterparts, all of which shall be considered one and the same consent) as of the date first set forth above.