

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the EXECUTION DATE previously recorded on Reel 043419 Frame 0876. Assignor(s) hereby confirms the EXECUTION DATE PREVIOUSLY SUBMITTED AS 8/28/2017 IS INCORRECT.	
<b>RESUBMIT DOCUMENT ID:</b>	504526247	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	LYNDON YEE LING ONG	06/24/2014
<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>
	Application Number:	15687667
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	10.2214.CON	
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER L BERNARD	
<b>SIGNATURE:</b>	/Christopher L. Bernard/	
<b>DATE SIGNED:</b>	10/06/2017	
<b>Total Attachments: 3</b>		
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>LYNDON YEE LING ONG</td><td>08/28/2017</td></tr></tbody></table>	Name	Execution Date	LYNDON YEE LING ONG	08/28/2017							
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<b>Application Number:</b>	15687667										
<b>CORRESPONDENCE DATA</b>											

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**ATTORNEY DOCKET  
NUMBER:**

10.2214.CON

**NAME OF SUBMITTER:**

CHRISTOPHER L BERNARD

**Signature:**

/Christopher L. Bernard/

**Date:**

08/28/2017

**Total Attachments: 1**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT4568252

**Receipt Date:** 08/28/2017

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**ASSIGNMENT**

WHEREAS, Lyndon Yee Ling ONG (hereinafter referred to as "ASSIGNOR") has invented certain new and useful improvements in an invention entitled:

**SYSTEMS AND METHODS FOR COMBINED SOFTWARE DEFINED NETWORKING  
AND DISTRIBUTED NETWORK CONTROL**

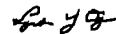
for which an application for a United States patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, **Ciena Corporation, 7035 Ridge Road, Hanover, MD 21076** (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, transfers and assigns to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNOR in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any administrative proceeding or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and signed on the date indicated below:



Lyndon Yee Ling Ong (Jun 24, 2014)

Date: Jun 24, 2014

**Lyndon Yee Ling ONG**