PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QUNBI ZHUGE	10/17/2016
KEVIN FARLEY	10/17/2016
KIM B. ROBERTS	11/01/2016
MAURICE O'SULLIVAN	10/17/2016

RECEIVING PARTY DATA

Name:	CIENA CORPORATION
Street Address:	7035 RIDGE ROAD
City:	HANOVER
State/Country:	MARYLAND
Postal Code:	21076

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16024980

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	C10.2350.CON
NAME OF SUBMITTER:	MIRIAM PATON
SIGNATURE:	/Miriam Paton, Reg. #56623/
DATE SIGNED:	07/04/2018

Total Attachments: 1

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PATENT REEL: 046491 FRAME: 0158

504989488

Attorney Docket No.: 10,2350 PATENT

ASSIGNMENT

WHEREAS, Qunbi ZHUGE, Kevin FARLEY, Kim B. ROBERTS, Maurice O'SULLIVAN (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

MITIGATION OF ELECTRICAL-TO-OPTICAL CONVERSION IMPAIRMENTS INDUCED AT TRANSMITTER

for which United States patent application number 15/046,763 was filed on February 18, 2016 at the United States Patent and Trademark Office; and

WHEREAS, Ciena Corporation, 7035 Ridge Road, Hanover, MD 21076 USA (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, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS 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.

ASSIGNORS further covenant 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, we have hereunto set hand and signed on the date indicated below:

	Date:	19 004 2016
Quabi ZHUGE LlGy	Date:	17 Oct 2016
Kevin FARLEY // // // // // // // // // // // // //	Date:	01 Nov. 2016
Kim B. ROBERTS	Date:	17 Oct 2018
Maurice O'SULLIVAN		

PATENT REEL: 046491 FRAME: 0159

RECORDED: 07/04/2018