



12-20-2002

Substitute Form PTO-1595
Attorney Docket No.: 09868-010001



SHEET

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies): Ciena Corporation Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Ciena Properties, Inc. 1201 North Market Street Wilmington, DE 19801-1147 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: April 1, 1997			
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): <u>08/784,909</u> ; 08/759,965; 08/672,275; 08/669,049; 08/668,746; 08/636,901; 08/624,269; 08/623,356; 08/554,976; 08/514,422; 08/512,294; 08/366,472 B: Patent No(s): 5,600,473; 5,579,143; 5,557,442; 5,555,118; 5,467,212; 5,416,629; 5,400,166; 5,373,389; 5,321,707; 5,321,543; 5,295,209; 5,293,545; 5,271,024; 5,268,910; 5,257,124; 5,243,609; 5,212,579; 5,210,633; 5,208,819; 5,200,964; 5,191,586; 5,187,760; 5,159,601; 5,166,821; 5,151,908; 5,140,456; 5,134,620; 5,119,447; 5,107,360 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name/address of party to whom correspondence concerning document should be mailed: JOHN F. HAYDEN Fish & Richardson P.C. 1425 K Street, N.W. 11th Floor Washington, DC 20005-3500		6. Total number of applications/patents involved: 41	
		7. Total fee (37 CFR §3.41): \$1,640 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.	
		8. Deposit Account No.: 06-1050 <input checked="" type="checkbox"/> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
DO NOT USE THIS SPACE			
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>			
John F. Hayden Reg. No. 37,640 Name of Person Signing		 Signature	December 13, 2002 Date
Total number of pages including coversheet, attachments and document: 6			

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ASSIGNMENT OF PATENTS

WHEREAS, CIENA Corporation, a Delaware corporation whose principal place of business is located in Linthicum, Maryland (the "Assignor") is the owner of the following United States patents and pending United States patent applications identified as "Class A Patents" and "GI Patents" in Exhibits A and B attached hereto:

WHEREAS, CIENA Properties, Inc., a Delaware corporation whose principal place of business is located in Wilmington, Delaware (the "Assignee") is desirous of acquiring the above-identified Class A Patents and GI Patents;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby assign to Assignee, the Assignor's entire right, title and interest in and to the above-identified Class A Patents and GI Patents as identified in the attached Exhibits A and B.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be executed effective as of the 1st day of April, 1997.

CIENA Corporation
a Delaware corporation

By: 

EXHIBIT A

CLASS A PATENTS

<u>TITLE</u>	<u>ISSUE DATE</u>	<u>PATENT #</u>
OPTICAL AMPLIFIERS SYSTEMS WITH ADD/DROP MULTIPLEXING	Feb 4, 1997	5,600,473
OPTICAL SYSTEM WITH TUNABLE INFIBER GRATINGS	Nov. 26, 1996	5,579,143
OPTICAL AMPLIFIERS WITH FLATTENED GAIN CURVES	Sept. 17, 1996	5,557,442
METHOD FOR REMOVING AND INSERTING OPTICAL CARRIERS IN A WDM OPTICAL COMMUNICATION SYSTEM	Sept. 10, 1996	5,555,118
ADDRESSABLE GRATING MODULATION SYSTEM FOR OPTICAL CABLE TV SYSTEM	Nov. 14, 1995	5,467,212

PATENT APPLICATIONS:

<u>TITLE</u>	<u>FILING DATE</u>	<u>SERIAL NO.</u>
MODULAR OPTICAL AMPLIFIER AND CASSETTE SYSTEM	Jan. 16, 1997	08/784,909
OPTICAL ADD-DROP MULTIPLEXERS FOR WDM OPTICAL COMMUNICATION SYSTEMS	Dec. 3, 1996	08/759,965
OPTICAL MONITORING CHANNEL FOR WAVELENGTH DIVISION MULTIPLEXED OPTICAL COMMUNICATION SYSTEM	June 28, 1996	08/672,275
REMODYLATING CHANNEL SELECTORS FOR WDM OPTICAL COMMUNICATION SYSTEMS	June 24, 1996	08/669,049
WDM OPTICAL COMMUNICATION SYSTEM WITH REMODYLATORS AND REMODYLATING CHANNEL SELECTORS	June 24, 1996	08/668,746
OPTICAL CABLE TV SYSTEM	Mar. 29, 1996	08/636,901

WDM OPTICAL COMMUNICATION SYSTEM WITH REMODULATORS AND DIVERSE OPTICAL TRANSMITTERS	Mar. 29, 1996	08/624,269
BIDIRECTIONAL WDM OPTICAL COMMUNICATIONS SYSTEMS WITH BIDIRECTIONAL OPTICAL AMPLIFIERS	Mar. 28, 1996	08/623,356
WAVELENGTH DIVISION MULTIPLEXED OPTICAL COMMUNICATION SYSTEMS EMPLOYING UNIFORM GAIN OPTICAL AMPLIFIERS	Nov. 10, 1995	08/554,976
OPTICAL DEMULTIPLEXERS WITH GRATING REFLECTORS	Aug. 11, 1995	08/514,422
DYNAMICALLY RECONFIGURABLE WDM OPTICAL COMMUNICATION SYSTEMS WITH OPTICAL ROUTING SYSTEMS	Aug. 8, 1995	08/512,294
SWITCH AND INSERTION NETWORKS IN OPTICAL CABLE TV SYSTEMS	Dec. 30, 1994	08/366,472
BIT-RATE TRANSPARENT WDM OPTICAL COMMUNICATION SYSTEM WITH REMODULATORS	Mar, 18, 1997	Awaiting Notification From Office
STRAIN-RELIEVING FIBER OPTIC PACKAGE	April 9, 1997	Awaiting Notification From Office

EXHIBIT B

GI PATENTS

TITLE	ISSUE DATE	PATENT #
INTENSITY MODULATED DIGITAL OPTICAL COMMUNICATIONS USING A FREQUENCY MODULATED SIGNAL LASER	5/16/95	5,416,629
COMMUNICATION OF SIGNALS SHARING A SINGLE OPTICAL SOURCE	3/21/95	5,400,166
METHOD OF LINEARIZING AN UN-BALANCED MACH ZEHNDER OPTICAL FREQUENCY DISCRIMINATOR	12/13/94	5,373,389
REMOTE PUMPING FOR ACTIVE OPTICAL DEVICES	6/14/94	5,321,707
APPARATUS AND METHOD FOR LINEARIZING AN EXTERNAL OPTICAL MODULATOR	6/14/94	5,321,543
SPONTANEOUS EMISSION SOURCE HAVING HIGH SPECTRAL DENSITY AT A DESIRE WAVELENGTH	3/15/94	5,295,209
OPTICAL SOURCE WITH REDUCED RELATIVE INTENSITY NOISE	3/18/94	5,293,545
OPTICAL FIBER AMPLIFIER AND LASER WITH FLATTENED GAIN SLOPE	12/14/93	5,271,024
SUPERLUMINESCENT OPTICAL SOURCE	12/7/93	5,268,910
LOW DISTORTION LASER SYSTEM FOR AM FIBER OPTIC COMMUNICATION	10/26/93	5,257,124
LASER WITH LONGITUDINAL MODE SELECTION	9/7/93	5,243,609
METHOD AND APPARATUS FOR COMMUNICATING AMPLITUDE MODULATED SIGNALS OVER AN OPTICAL COMMUNICATION PATH	5/18/93	5,212,579

APPARATUS AND METHOD FOR LINEAR-IZING THE OPERATION OF AN EXTERNAL OPTICAL MODULATOR	5/11/93	5,210,633
OPTICAL SOURCE WITH FREQUENCY LOCK TO AN IN-FIBER GRATING RESONATOR	5/4/93	5,208,819
BROAD LINEWIDTH LASERS FOR OPTICAL FIBER COMMUNICATION SYSTEMS	4/6/93	5,200,964
NARROW BEND INCOHERENT OPTICAL CARRIER GENERATOR	3/2/93	5,191,586
WAVELENGTH SELECTIVE COUPLER FOR HIGH POWER OPTICAL COMMUNICATIONS	2/16/93	5,187,760
METHOD FOR PRODUCING A TUNABLE ERBIUM FIBER LASER	10/27/92	5,159,601
REDUCTION OF NON-LINEAR EFFECTS IN OPTICAL FIBER COMMUNICATION SYSTEMS AND METHOD OF USING SAME	11/24/92	5,166,821
LASER WITH LONGITUDINAL MODE SELECTION	9/29/92	5,151,908
LOW NOISE HIGH POWER OPTICAL FIBER AMPLIFIER	8/18/92	5,140,456
LASER WITH LONGITUDINAL MODE SELECTION	7/28/92	5,134,620
APPARATUS AND METHOD FOR EXTERNALLY MODULATING AN OPTICAL CARRIER	6/2/92	5,119,447
OPTICAL TRANSMISSION OF RF SUB-CARRIERS IN ADJACENT SIGNAL BANDS	4/21/92	5,107,360