OP 102751977         To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.         1. Name of conveying party(les):       5.18.04         Wayne V. Sorin; Ben J. Vakoc       5.18.04         Additional name(s) of conveying party(les) attached?       2. Name and address of receiving party(les):       mame: Novera Optics, Inc.         Additional name(s) of conveying party(les) attached?       2. Name and address:       9         3. Nature of Conveyance:       Internal Address:       4. State: CA zip: 94306-1609         City: Palo Alto       State: CA zip: 94306-1609       5. Jong Patent number(s):         If this document is being filed together with a new application, the execution date of the application is:       4. Application number(s) or patent number(s):       B. Patent No.(s)         Additional numbers attached?       B No       Yes         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:         Name:       Blakely, Sokoloff, Taylor & Zafman LLP       7. Total Fee (37 CFR 3.41)\$ 40.00         Internal Address:       12400 Wilshire Boulevard       7. Total Fee (37 CFR 3.41)\$ 40.00         Street Address:       12400 Wilshire Boulevard       8. Deposit Account Number:         O2:2866       02:2866       02:2866	FORM <b>PTO-1595</b> (Rev. 10/02)	U.S. DEPARTMENT OF COMMERC
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Rest of Conveyance:       Street Address:       480 S. California Avenue, Suite :         Street Address:       94306-1609         City:       Palo Alto         Street Address:       05/10/04,05/08/04         A. Application number(s) or patent number(s):       Additional name(s)& address(es) attached?         It its document is being filed together with a new application, the execution date of the application is:       B. Patent No.(s)         A. Patent Application No.(s)       B. Patent No.(s)       B. Patent No.(s)         Additional numbers attached?       Mol □ Yes         S. Name and address of party to whom correspondence concerning document should be mailed:       F. Total number of applications and patents involved:         Name:       Blakely, Sokoloff, Taylor & Zafman LLP       F. Total Fee (37 CFR 3.41)\$ 40.00         Internal Address:       12400 Wilshire Boulevard       Street Address:         City:       Los Angeles.       State: CA       ZIP: 90025         Do NOT USE THIS SPACE       Statement and signature.       O2-2666         To the best of my knowledge and ballef, the foregoing is true and correct and any attached copy is a true copy of the original doc </td <td></td> <td>Name: Novera Optics, Inc.</td>		Name: Novera Optics, Inc.
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PATENT REEL: 015353 FRAME: 0119 Attorney's Docket No.: 5489P081

### **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

#### Wayne V. Sorin; Ben J. Vakoc

hereby sell, assign, and transfer to:

#### Novera Optics, Inc.

a Corporation of Delaware, having a principal place of business at 480 S. California Avenue, Suite 305, Palo Alto, California 94306-1609 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

### Multiple-wavelength Pulsed Light Source for a Wavelength Division Multiplexed Passive Optical Network

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all original and reissued patents; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

5489P081

Page 1 of 2

## PATENT REEL: 015353 FRAME: 0120

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

#### Each Inventor: Please Sign and Date Below:

Date	Name: Wayne V. Sorin
<u>578/04</u> Date	Name: Ben J. Vakoc
Date	Name:
	Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LL 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

Telephone: (408) 720-8300

5489P081

Page 2 of 2

# PATENT REEL: 015353 FRAME: 0121

Attorney's Docket No.: 5489P081

# **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

### Wayne V. Sorin; Ben J. Vakoc

hereby sell, assign, and transfer to:

#### Novera Optics, Inc.

a Corporation of Delaware, having a principal place of business at 480 S. California Avenue, Suite 305, Palo Alto, California 94306-1609 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned priorhereto or concurrently herewith on the dates indicated below and is entitled:

### Multiple-wavelength Pulsed Light Source for a Wavelength Division Multiplexed Passive Optical Network

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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Page 1 of 2

0966297807PATENT0 7002/90/90 REEL: 015353 FRAME: 0122

NOVERA OPTICS

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Each Inventor: Please Sign and Date Below:					
	May 10 2004 Date	Name: Wayne V. Sorin			
	Date	Name: Ben J. Vakoc			
	Date	Name:			
	Date	Name:			
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