

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
<b>CONVEYING PARTY DATA</b>					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; text-align: center; padding: 2px;">Name</td> <td style="width: 30%; text-align: center; padding: 2px;">Execution Date</td> </tr> <tr> <td style="padding: 2px;">Cierra Photonics Inc.</td> <td style="padding: 2px;">07/03/2003</td> </tr> </table>	Name	Execution Date	Cierra Photonics Inc.	07/03/2003	
Name	Execution Date				
Cierra Photonics Inc.	07/03/2003				
<b>RECEIVING PARTY DATA</b>					
Name:	Bookham Technology, Inc.				
Street Address:	90 Milton Park				
City:	Abingdon, Oxfordshire				
State/Country:	UNITED KINGDOM				
Postal Code:	OX14 4RY				
<b>PROPERTY NUMBERS Total: 1</b>					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; text-align: center; padding: 2px;">Property Type</td> <td style="width: 70%; text-align: center; padding: 2px;">Number</td> </tr> <tr> <td style="padding: 2px;">Application Number:</td> <td style="padding: 2px;">10096031</td> </tr> </table>	Property Type	Number	Application Number:	10096031	
Property Type	Number				
Application Number:	10096031				
<b>CORRESPONDENCE DATA</b>					
Fax Number: (617)720-9601 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (617) 720-9600 Email: pmcdermott@bannerwitcoff.com Correspondent Name: Peter D. McDermott Address Line 1: 28 State Street, 28th Floor Address Line 4: Boston, MASSACHUSETTS 02109					
NAME OF SUBMITTER:	Peter D. McDermott				
Total Attachments: 3 source=Bookham_1#page1.tif source=Bookham_2#page1.tif source=Bookham_3#page1.tif					

CH \$40.00 10096031

ASSIGNMENT OF PATENTS IN UNITED STATES

Cierra Photonics Inc., a Delaware corporation, located at 3640 Westwind Boulevard, Santa Rosa, California 95403 (the "Assignor"), hereby assigns to Bookham Technology, Inc., a Delaware corporation, located at 90 Milton Park, Abingdon, Oxfordshire, OX14 4RY, United Kingdom (the "Assignee"), the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions in the patents identified on Schedule A, and in and to all Letters Patents of the United States and all foreign countries which may or shall be granted on said inventions, or any parts thereof, or any divisional, continuing, reissue or other applications based in whole or in part thereon.

Assignor agrees to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to Assignee, to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said inventions or applications based thereon to said Assignee, its successors and assigns.

Witness my hand and seal this 3 th day of July, 2003.

CIERRA PHOTONICS INC.

By: Mike Scobey

Name: Mike Scobey

Its: President + CTO

County of Sonoma  
State of California

Then personally appeared the above named Mike Scobey and acknowledged the foregoing act to be his/her free act and deed, before me, this 3 th day of July, 2003.



Debra Turner Wilson  
Notary Public

My commission expires: 11/13/05

PATENT

REEL: 015601 FRAME: 0291

## SCHEDULE A

Patents Assigned from  
Cierra Photonics Inc. to Bookham Technology, Inc.

### Patents

Patent Number	Issue Date	Title
432,285	8/13/02	Planar Magnetron Sputtering Apparatus and its Magnetic Source

### Pending Patent Applications

Application Number	Type	Filing Date	Title
075,939	Provisional	3/15/2001	Apparatus and Method for Vacuum Coating Deposition
022	Provisional	3/15/2001	Optical System with 1x N Interleaver and Methods of Making and Using Same
0275,918	Provisional	3/15/2001	Optical System with Cascaded Interleavers and Methods of Making and Using Same
0276,018	Provisional	3/15/2001	Optically Coupled Etalons and Methods of Making and Using Same
0275,920	Provisional	3/15/2001	Iso-Optical Thermal Compensator and Methods of Making and Using Same
075,487	Provisional	2/23/2001	Method and Apparatus of Processing Optical Thin-Film Filters
0275,998	Provisional	3/15/2001	Methods of Making Optical Etalons
0276,017	Provisional	3/15/2001	Optical System with Interleaver and Methods of Making and Using Same
0275,997	Provisional	3/15/2001	Optical Filter Elements and Methods of Making and Using Same
075,019	Provisional	3/15/2001	Optical Etalons and Methods of Making and Using Them
0276,020	Provisional	3/15/2001	Wafer Scale Production of Optical Elements
0276,023	Provisional	3/15/2001	Air Space Variable Optical Etalons and Methods of Making and Using Same
0275,945	Provisional	3/15/2001	Air Space Optical Etalons and Methods of Making and Using Same

0270-4

09/808,822	Provisional	3/15/2001	Optical Devices and Method of Manufacturing
60/276,316	Provisional	3/15/2001	Optical Monitoring of Thin Film Deposition Thickness
60/373,711	Provisional	4/18/2002	Optical Devices and Methods
10/095,828	Converted 4995-0007	3/12/2002	Apparatus and Method for Vacuum Coating Deposition
10/096,292	Converted 4995-0029	3/12/2002	Optical Filter Elements and Methods of Making and Using Same
10/096,001	Convert 4995- 0031	3/12/2002	Optical Etalons and Methods of Making and Using Them
10/096,031	Converted 4995-0055	3/12/2002	Wafer Scale of Optical Elements
10/096,533	Converted 4995-0057	3/12/2002	Air Space Variable Optical Etalons and Methods of Making and Using Same
10/096,003	Converted 4995-0058	3/12/2002	Air Space Optical Etalons and Methods of Making and Using Same
10/095,420	Converted 4995-00065	3/12/2002	Optical Monitoring of Thin Film Deposition Thickness
10/096,389	Converted 4995-010	3/12/2002	Optical System with 1XN Interleaver and Methods of Making and Using Same
10/095,873	Converted 4995-0011	3/12/2002	Optical System with Cascaded Interleaver and Methods of Making and Using Same
10/096,478	Converted 4995-0012	3/12/2002	Optically Coupled Etalons and Methods of Making and Using Same
10/096,234	Abandoned	3/12/2002	Iso-Optical Thermal Compensator and Methods of Making and Using Same
10/096,002	Converted 4995-0027	3/12/2002	Methods of Making Optical Etalons
10/095,978	Converted 4995-0028	3/12/2002	Optical System with Interleaver and Methods of Making and Using Same
10/418,427	Converted 4995-0066	4/18/2003	Optical Devices and Methods
PCT/US03/12163	PCT '00085	4/18/2003	Optical Devices and Methods