

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Corona Optical Systems, Inc.	06/29/2004
RECEIVING PARTY DATA	
Name:	Emcore Corporation
Street Address:	145 Belmont Drive
City:	Somerset
State/Country:	NEW JERSEY
Postal Code:	08873
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	10219749
Application Number:	09951646
Application Number:	10352472
CORRESPONDENCE DATA	
Fax Number:	2023448300
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202.344.4000
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Correspondent Name:	Michael A. Sartori, Ph.D.
Address Line 1:	575 Seventh Street NW
Address Line 2:	Venable LLP
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004
ATTORNEY DOCKET NUMBER:	40616-182788
NAME OF SUBMITTER:	Michael A. Sartori, Ph.D.
Total Attachments: 4 source=Corona_Emcore#page1.tif source=Corona_Emcore#page2.tif source=Corona_Emcore#page3.tif source=Corona_Emcore#page4.tif	

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PATENT  
REEL: 029692 FRAME: 0755

**PATENT ASSIGNMENT**

THIS PATENT ASSIGNMENT is made as of June 29, 2004 by CORONA OPTICAL SYSTEMS, INC., a Delaware corporation having a principal place of business at 450 Eisenhower Ln. N, Lombard, Illinois 60148, hereinafter referred to as the ASSIGNOR, and EMCORE CORPORATION, a New Jersey corporation, having a principal place of business at 145 Belmont Drive, Somerset, New Jersey 08873, hereinafter referred to as the ASSIGNEE.

ASSIGNOR is the owner of certain U.S. and foreign patents and patent applications identified on Schedule "A" attached hereto, together with all rights, privileges, obligations and priorities of Seller in such assigned patents and applications, including but not limited to (i) the right to sue at law or in equity in respect of past, present and future infringement of any of such assigned patents; and (ii) the right to receive all proceeds or damages from any such infringement (such patents and applications being collectively hereinafter referred to as the "ASSIGNED PATENTS").

ASSIGNEE desires to acquire the entire right, title and interest in and to said ASSIGNED PATENTS.

For good and valuable consideration paid by the ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to the ASSIGNEE, at ASSIGNEE's sole expense, the entire right, title and interest in and to the ASSIGNED PATENTS. The ASSIGNED PATENTS shall be held and enjoyed by the ASSIGNEE, its successors and assigns as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

ASSIGNOR covenants and agrees to execute such further and confirmatory assignments in recordable form as the ASSIGNEE may require to vest record title of said respective ASSIGNED PATENTS in ASSIGNEE.

IN WITNESS WHEREOF, the ASSIGNOR has caused this Assignment to be executed by a duly authorized officer.

CORONA OPTICAL SYSTEMS, INC.

By: Scott Higgins  
Name: Scott Higgins  
Title: CEO

PATENT

REEL: 019247 FRAME: 0398  
REEL: 029692 FRAME: 0756

SCHEDULE A  
PATENTS AND PATENT APPLICATIONS

SCHEDULE A

Title	Country	Application No.	Patent No.	Status
DYNAMICALLY CONFIGURABLE BACKPLANE	US	09/597,028	6,450,694	Granted
DYNAMICALLY CONFIGURABLE BACKPLANE	US	10/158,306	6,733,183	Granted
TRANSPARENT SUBSTRATE AND FLEX OPTICAL ASSEMBLY	US	09/951,646	6,450,704	Granted
METHOD OF DIFFERENTIALLY CONNECTING PHOTONIC DEVICES	US	09/957,257		Pending
GLASS SUBSTRATE FOR ELECTRO-OPTICAL COMPONENTS	US	09/941,260	6,600,853	Granted
C AND L BAND LAMINATED FABRIC OPTICAL AMPLIFIER	US	09/910,567	6,529,320	Granted
METHOD TO ALIGN OPTICAL COMPONENTS TO A SUBSTRATE AND OTHER OPTICAL COMPONENTS	US	09/920,917	6,547,454	Granted
HIGH DENSITY OPTOELECTRONIC TRANSCIVER MODULE	US	09/595,671	6,305,848	Granted
METHOD TO ASSEMBLE OPTICAL COMPONENTS TO A SUBSTRATE	US	10/075,142	6,724,961	Granted
CABLE DISCONNECT AND EYE SAFETY MECHANISM	US	10/037,507		Pending
ALIGNMENT APERTURES IN AN OPTICALLY TRANSPARENT SUBSTRATE	Canada	2,445,971		Pending
ALIGNMENT APERTURES IN AN OPTICALLY TRANSPARENT SUBSTRATE	EPO	02731565.4		Pending

Title	Country	Application No.	Patent No.	Status
ALIGNMENT APERTURES IN AN OPTICALLY TRANSPARENT SUBSTRATE	Japan	2002-586054		Pending
ALIGNMENT APERTURES IN AN OPTICALLY TRANSPARENT SUBSTRATE	US	10/136,726	6,526,206	Granted
ALIGNMENT APERTURES IN AN OPTICALLY TRANSPARENT SUBSTRATE	US	10/352,477		Pending
OPTICAL POWER OUTPUT DETECTION METHOD	US	10/144,519		Pending
ASSEMBLY FOR ALIGNING AN OPTICAL ARRAY WITH OPTICAL FIBERS	US	10/211,732		Pending
METHOD TO ALIGN OPTICAL COMPONENTS TO A SUBSTRATE AND OTHER OPTICAL COMPONENTS	Canada	2,422,986		Pending
METHOD TO ALIGN OPTICAL COMPONENTS TO A SUBSTRATE AND OTHER OPTICAL COMPONENTS	EPO	019680172		Pending
METHOD TO ALIGN OPTICAL COMPONENTS TO A SUBSTRATE AND OTHER OPTICAL COMPONENTS	Japan	2002/529283		Pending
METHOD TO ALIGN OPTICAL COMPONENTS TO A SUBSTRATE AND OTHER OPTICAL COMPONENTS	US	10/368,707		Pending
OPTICAL ATTENUATING UNDERCHIP ENCAPSULANT	US	10/073,462	6,724,015	Granted
ELECTRO-OPTIC INTERCONNECT CIRCUIT BOARD	Canada	2,422,999		Pending
ELECTRO-OPTIC INTERCONNECT CIRCUIT BOARD	EPO	01990894.0		Pending
ELECTRO-OPTIC INTERCONNECT CIRCUIT BOARD	Japan			Pending

Title	Country	Application No.	Patent No.	Status
ELECTRO-OPTIC INTERCONNECT CIRCUIT BOARD	US	10/352,472		Pending
TRANSPARENT SUBSTRATE AND HINGED OPTICAL ASSEMBLY	Canada	2,424,945		Pending
TRANSPARENT SUBSTRATE AND HINGED OPTICAL ASSEMBLY	EPO			Pending
TRANSPARENT SUBSTRATE AND HINGED OPTICAL ASSEMBLY	Japan	2002-532982		Pending
TRANSPARENT SUBSTRATE AND HINGED OPTICAL ASSEMBLY	US	10/219,749	6,729,776	Granted
TRANSPARENT SUBSTRATE AND HINGED OPTICAL ASSEMBLY	US	10/832,726		Pending
METHOD TO DIFFRACT AND ATTENUATE AN OPTICAL SIGNAL	US	10/044,866		Pending
METHOD TO DIFFRACT AND ATTENUATE AN OPTICAL SIGNAL	PCT	PCT/US03/0072		Pending
METHOD OF ATTENUATING AN OPTICAL SIGNAL	US	10/235,750		Pending
METHOD OF GUIDING AN OPTICAL SIGNAL	US	10/662,768		Pending
ELECTRO-OPTIC INTERCONNECT CIRCUIT BOARD	US	10/859,833		Pending

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REEL: 019287 FRAME: 0401  
REEL: 029692 FRAME: 0759

RECORDED: 04/10/2007  
RECORDED: 01/25/2013