

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Edward M. Dowd</td><td>08/12/2003</td></tr><tr><td>Joseph J. Baraglia</td><td>08/12/2003</td></tr><tr><td>Andrew S. Kuczma</td><td>08/12/2003</td></tr><tr><td>Brian J. Pike</td><td>08/12/2003</td></tr><tr><td>Thomas W. Engel</td><td>07/21/2003</td></tr><tr><td>Martin A. Putnam</td><td>07/23/2003</td></tr></tbody></table>	Name	Execution Date	Edward M. Dowd	08/12/2003	Joseph J. Baraglia	08/12/2003	Andrew S. Kuczma	08/12/2003	Brian J. Pike	08/12/2003	Thomas W. Engel	07/21/2003	Martin A. Putnam	07/23/2003	
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Thomas W. Engel	07/21/2003														
Martin A. Putnam	07/23/2003														
RECEIVING PARTY DATA															
Name:	CiDRA Corporation														
Street Address:	50 Barnes Park North														
City:	Wallingford														
State/Country:	CONNECTICUT														
Postal Code:	06492														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11459854</td></tr></tbody></table>	Property Type	Number	Application Number:	11459854											
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Application Number:	11459854														
CORRESPONDENCE DATA															
Fax Number:	(713)623-4846														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	713-623-4844														
Email:	tfish@pattersonsheridan.com														
Correspondent Name:	Randol W. Read														
Address Line 1:	3040 Post Oak Blvd., Suite 1500														
Address Line 4:	Houston, TEXAS 77056														
ATTORNEY DOCKET NUMBER:	WEAT/0699.C1-INVS TO CIDR														
NAME OF SUBMITTER:	Randol W. Read														

CH \$40.00 11459854

PATENT

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REEL: 018378 FRAME: 0502

Total Attachments: 4

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ASSIGNMENT

WHEREAS, We, Edward M. Dowd of 21 Pepperwood Court, Madison, Connecticut 06443, Joseph J. Baraglia of 45 Second Street, New Britain, Connecticut 06051, Andrew S. Kuczma of 53 Fox Hill Drive, Clinton, Connecticut 06413, Brian J. Pike of 17 Summerhill Condo, Wallingford, Connecticut 06492, Thomas W. Engel of 14 Lakeview Street, East Hampton, Connecticut 06424, and Martin A. Putnam of 78 Lancaster Way, Cheshire, Connecticut 06410, all citizens of the United States of America, having invented certain improvements in **A METHOD FOR MAKING LARGE DIAMETER OPTICAL WAVEGUIDE HAVING BRAGG GRATING AND BEING CONFIGURED FOR REDUCING THE BULK MODULUS OF COMPRESSIBILITY THEREOF**, which is described in an application for Letters Patent of the United States, Application Serial No. 10/458,773 filed June 9, 2003 and identified by Ware, Fressola, Van Der Sluys & Adolphson LLP/CiDRA File Nos. as 712-002.175/CC-0627, and which claims the benefit of U.S. Provisional Patent Application Serial No. 60/387,174, filed June 7, 2002 and described in a patent application executed by the undersigned on the dates set after the signatures hereto, being owners of all right, title and interest in and to said application and in and to any invention described therein, free from all prior assignments, agreements, licenses, mortgages, or other encumbrances whatsoever, and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, CiDRA Corporation, of Wallingford, Connecticut, a corporation of the State of Delaware (assignee) is desirous of acquiring the entire United States right, title and interest in and to said invention or inventions and any and all U.S. Patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid U.S. Patent application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

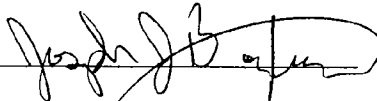
The undersigned further agree, without any further payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

L.S. 
EDWARD M. DOWD

8/12/03

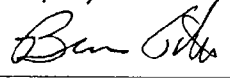
L.S. 
JOSEPH J. BARAGLIA

 8-12-03

L.S. 
ANDREW S. KUCZMA

8/12/03

L.S. 
BRIAN J. PIKE

 8-12-03

L.S. 
THOMAS W. ENGEL

L.S. 
MARTIN A. PUTNAM

State of Connecticut)
) ss: Wallingford
County of New Haven)

On this 12th day of August, 2003, before me personally appeared Edward M. Dowd, Joseph J. Baraglia, Andrew S. Kuczma, Brian J. Pike, ~~Thomas W. Engel~~ and ~~Martin A. Putnam~~, to me personally known, and known to me to be the persons who signed the foregoing assignment, and acknowledged the signing of same as their free act and deed.

SEAL

Linda P. Mankel
Notary Public
My Comm. Expires 11/30/07

ASSIGNMENT

WHEREAS, We, Edward M. Dowd of 21 Pepperwood Court, Madison, Connecticut 06443, Joseph J. Baraglia of 45 Second Street, New Britain, Connecticut 06051, Andrew S. Kuczma of 53 Fox Hill Drive, Clinton, Connecticut 06413, Brian J. Pike of 17 Summerhill Condo, Wallingford, Connecticut 06492, Thomas W. Engel of 14 Lakeview Street, East Hampton, Connecticut 06424, and Martin A. Putnam of 78 Lancaster Way, Cheshire, Connecticut 06410, all citizens of the United States of America, having invented certain improvements in A **METHOD FOR MAKING LARGE DIAMETER OPTICAL WAVEGUIDE HAVING BRAGG GRATING AND BEING CONFIGURED FOR REDUCING THE BULK MODULUS OF COMPRESSIBILITY THEREOF**, which is described in an application for Letters Patent of the United States, Application Serial No. 10/458,773 filed June 9, 2003 and identified by Ware, Fressola, Van Der Sluys & Adolphson LLP/CiDRA File Nos. as 712-002.175/CC-0627, and which claims the benefit of U.S. Provisional Patent Application Serial No. 60/387,174, filed June 7, 2002 and described in a patent application executed by the undersigned on the dates set after the signatures hereto, being owners of all right, title and interest in and to said application and in and to any invention described therein, free from all prior assignments, agreements, licenses, mortgages, or other encumbrances whatsoever, and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, CiDRA Corporation, of Wallingford, Connecticut, a corporation of the State of Delaware (assignee) is desirous of acquiring the entire United States right, title and interest in and to said invention or inventions and any and all U.S. Patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid U.S. Patent application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

L.S. _____
EDWARD M. DOWD

L.S. _____
JOSEPH J. BARAGLIA

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ANDREW S. KUCZMA

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BRIAN J. PIKE

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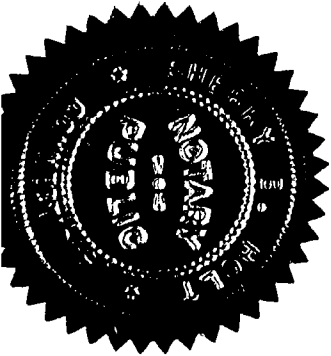
L.S. _____
MARTIN A. PUTNAM

7/21/03

7-23-03

State of Connecticut)
) ss: Wallingford
County of New Haven)

On this 21st day of July, 2003, before me personally appeared Thomas W. Engel to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his/her(their) free act and deed.

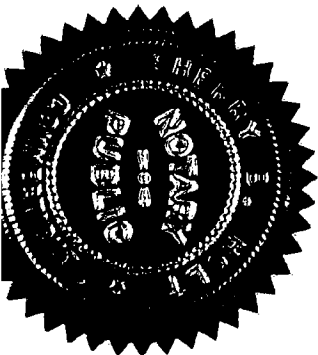


Sherry B. Holt
Notary Public

SHERRY B. HOLT
Notary Public
My Commission Expires Feb. 28, 2005

State of Connecticut)
) ss: Wallingford
County of New Haven)

On this 23rd day of July, 2003, before me personally appeared Martin A. Putnam to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his/her(their) free act and deed.



Sherry B. Holt
Notary Public

SHERRY B. HOLT
Notary Public
My Commission Expires Feb. 28, 2005