

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	02/23/2005

CONVEYING PARTY DATA

Name	Execution Date
LIGHTWAVE SOLUTIONS, INC.	02/23/2005

RECEIVING PARTY DATA

Name:	LIGHTWAVE SOLUTIONS, LLC
Street Address:	8665 MIRALANI DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92126

PROPERTY NUMBERS Total: 9

Property Type	Number
Patent Number:	6538789
PCT Number:	US0209449
Application Number:	60344419
Application Number:	10281389
Application Number:	60341915
Application Number:	10316291
Application Number:	60385247
Application Number:	10453860
Application Number:	60386844

CORRESPONDENCE DATA

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CH \$360.00 6538789

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NAME OF SUBMITTER:

Carlos E. Fonseca

Total Attachments: 2

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ASSIGNMENT OF UNITED STATES PATENTS

WHEREAS, LIGHTWAVE SOLUTIONS, INC., a California corporation, whose address is 8665 Miralani Drive, San Diego, California 92126, is the registered owner of all right, title and interest in and to the following patents and patent applications which were filed in the United States Patent & Trademark Office:

<u>OWNER</u>	<u>APPLICANT</u>	<u>TITLE</u>	<u>STATUS</u>	<u>Filing Date/ Serial No.</u>
Lightwave Solutions, Inc.	Chen-Kuo Sun	OPTICAL LINEARIZER FOR FIBER COMMUNICATIONS	U.S. Patent No. 6,538,789 issued 3/25/03	Filed: 4/3/2001 SN: 09/825,631
Lightwave Solutions, Inc.	Chen-Kuo Sun	OPTICAL LINEARIZER FOR FIBER COMMUNICATIONS	Pending	Filed: 3/26/2002 SN: PCT/ US02/09449
Lightwave Solutions, Inc.	Chen-Kuo Sun, Richard J. Orazi, Stephen A. Pappert	HYBRID OPTICAL AND ELECTRICAL FIBER OPTIC LINK LINEARIZER	Priority claimed in 003001	Filed: 10/26/2001 SN: 60/344,419
Lightwave Solutions, Inc.	Chen-Kuo Sun, Richard J. Orazi, Stephen A. Pappert	HYBRID OPTICAL AND ELECTRICAL FIBER OPTIC LINK LINEARIZER	Pending	Filed: 10/25/2002 SN: 10/281,389
Lightwave Solutions, Inc.	Stephen A. Pappert Chen-Kuo Sun Richard J. Orazi	HIGH POWER, OPTICALLY LINEARIZED MICROWAVE FIBER OPTIC LINK WITH FIBER INDUCED DISTORTION SUPPRESSION	Priority claimed in 004001	Filed: 12/18/2001 SN: 60/341,915
Lightwave Solutions, Inc.	Stephen A. Pappert Chen-Kuo Sun Richard J. Orazi	HIGH-POWER, OPTICALLY-LINEARIZED MICROWAVE FIBER OPTIC LINK WITH SUPPRESSION OF FIBER INDUCED DISTORTION	Pending	Filed: 12/10/2002 SN: 10/316,291
Lightwave Solutions, Inc.	Richard J. Orazi	FIBER LINEARIZATION ELEMENT	In Preparation	
Lightwave Solutions, Inc.	Chen-Kuo Sun Richard J. Orazi Stephen A. Pappert	CONTROL OPERATION OF FIBER OPTIC LINK LINEARIZER	Priority claimed in 006001	Filed: 5/31/2002 SN: 60/385,247
Lightwave Solutions, Inc.	Stephen A. Pappert Richard J. Orazi Chen-Kuo Sun	CONTROL OF FIBER OPTIC LINK LINEARIZER	Pending	Filed: 6/2/2003 SN: 10/453,860
Lightwave Solutions, Inc.	Stephen A. Pappert Richard J. Orazi Chen-Kuo Sun	LASER INTEGRATION OF FIBER OPTIC LINK LINEARIZER	Priority claimed in 006001 case	Filed: 6/5/2002 SN: 60/386,844

WHEREAS, LIGHTWAVE SOLUTIONS, LLC, a California limited liability company, whose address is 8665 Miralani Drive, San Diego, California 92126, has agreed to acquire the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of \$10.00 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, LIGHTWAVE SOLUTIONS, INC. does hereby assign, transfer, and convey to LIGHTWAVE SOLUTIONS, LLC its entire right, title and interest in and to the aforesaid patents and patent applications shown herein; the same to be held and enjoyed by said assignee for its own use, and for its legal representatives and assigns, to the full end of the term for which each patent is granted, as fully and entirely as the same would have been held by assignor had this assignment not been made.

IN WITNESS WHEREOF, LIGHTWAVE SOLUTIONS, INC. caused this assignment to be executed, effective as of February 23, 2005.

LIGHTWAVE SOLUTIONS, INC.

Dated: 2/23/2005

By: *Chen-Kuo Sun*
Chen-Kuo Sun, CEO

STATE OF CALIFORNIA)
)ss.
COUNTY OF SAN DIEGO)
 Los Angeles

On February 23, 2005, before me, Angela Donerson, Notary Public, personally appeared, CHEN KUO SUN, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to this instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Angela Donerson
Notary Public in and for said County and State

(SEAL)

