FORM PTO-1619A Expires 06/30/99 OMR 0651-0027	03-29-2002 102037155	U.S. Department of Commerce Patent and Trademark Office PATENT
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Name (line 1) Joseph G. Lor	ng	03 01 2002
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Address (line 1) Lathrop & Gage LC

Suite 300 Address (line 4) Boulder, Colorado 80301

4845 Pearl East Circle

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Address (line 3)

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Correspondent	Name and Address Area Code and Telephone Number	(303) 449-5800
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Jeffrey B. Williams	all_Baille	March 14, 2002
Name of Persor	Signing Signature	Date
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Traine (into 1)			If document to be recorded is an assignment and the receiving
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	Application Number(s)		Patent Number(s)
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ASSIGNMENT

WHEREAS We, John T. Flower, having an address of 719 Pendleton Avenue, Longmont, CO 80501, a citizen of the United States of America, Joseph G. Long, having an address of P. O. Box 10332, Bozeman, Montana 59719, a citizen of the United States of America, and Jeffrey V. Meuli, having an address of 604 Northern Pacific, Belgrade, Montana 59714, a citizen of the United States of America (the "Inventors"), have invented a certain useful invention entitled:

OPTICAL FIBER HOLDER

described in a U. S. Patent Application attached hereto and described in U.S. Provisional Patent Application Serial No. 60/276,804, entitled "Bare Fiber Optic Holder", filed March 16, 2001 (the "Applications"); and

WHEREAS, ILX Lightwave Corporation, a corporation duly organized under the laws of the state of Minnesota and having its principal place of business at 31950 Frontage Road, Bozeman, MT 59715, is desirous of acquiring the entire interest in and to said invention and in and to the Letters Patent to be obtained therefor.

NOW THEREFOR, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, John T. Flower, Joseph G. Long and Jeffrey V. Meuli, have sold, assigned and transferred, and by these presents do sell, assign and transfer, unto ILX

Page 1 of Assignment of Nonprovisional Application "Optical Fiber Holder" to ILX Lightwave Corporation

Lightwave Corporation the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) the invention as fully set forth and described in the specifications prepared, and executed by him preparatory to obtaining Letters Patent of the United States therefor;
 - (b) the Applications;
- (c) any and all refilings, divisions, continuations and continuations-inpart of the Applications;
- (d) any and all Letters Patent of the United States of America which may issue from Applications, refilings, divisions, continuations and continuations-in-part;
- (e) any and all reissues and reexaminations of Letters Patent of the United States of America based on the Applications;
- (f) any and all applications for Letters Patent upon the invention which may hereafter be filed in any and all countries foreign to the United States of America;
- (g) any and all refilings, divisions and continuations of foreign-filed Applications;
- (h) any and all Letters Patent of countries foreign to the United States of America which may issue from foreign-filed applications, refilings, divisions and continuations of the invention or Applications;

Page 2 of Assignment of Nonprovisional Application "Optical Fiber Holder" to ILX Lightwave Corporation

(i)	any and all extension	ons of, and addition	ons to, Letters	Patent of the	
ention or	Applications in count	ries foreign to the	e United States	of America.	
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Page 3
of Assignment of Nonprovisional Application
"Optical Fiber Holder" to ILX Lightwave Corporation

All of the above shall be held and enjoyed by ILX Lightwave Corporation, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which Letters Patent may be granted, and ILX Lightwave Corporation does hereby authorize and request the Commissioner of Patents and Trademarks to issue Letters Patent in accordance with this Assignment.

Dated this 5th day of March, 2002

John T. Flower

COUNTY OF Bulder

On this 5th day of March, 2002, before me personally appeared John T. Flower, and, to me known to be the person described in, and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Carol A. Mories

Notary Public

My Commission Expires:

Utober 19, 2005

(SEAL)

Page 4 of Assignment of Nonprovisional Application "Optical Fiber Holder" to ILX Lightwave Corporation

All of the above shall be held and enjoyed by ILX Lightwave Corporation. for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which Letters Patent may be granted, and ILX Lightwave Corporation, does hereby authorize and request the Commissioner of Patents and Trademarks to issue Letters Patent in accordance with this Assignment. Dated this 15T day of MARCH, 2002. seph G. Long COUNTY OF __, 2002, before me personally appeared Joseph G. Long, and, to me known to be the person described in, and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth. My Commission Expires: 3-25-2004 (SEAL)

> Page 5 of Assignment of Nonprovisional Application "Optical Fiber Holder" to ILX Lightwave Corporation

All of the above shall be held and enjoyed by ILX Lightwave Corporation., for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which Letters Patent may be granted, and ILX Lightwave Corporation., does hereby authorize and request the Commissioner of Patents and Trademarks to issue Letters Patent in accordance with this Assignment. Dated this $5^{\frac{1}{2}}$ day of March, 2002. COUNTY OF Galla On this 5 day of MaxM2002, before me personally appeared Jeffrey V. Meuli, and, to me known to be the person described in, and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth. My Commission Expires: (SEAL)

> Page 6 of Assignment of Nonprovisional Application "Optical Fiber Holder" to ILX Lightwave Corporation

PATENT RECORDED: 03/14/2002 REEL: 012719 FRAME: 0365