

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Ruoding Li	12/20/2006
Daniel B. Grossman	12/20/2006
William Weeks	12/20/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	General Instrument Corporation
<b>Street Address:</b>	101 Tournament Drive
<b>City:</b>	Horsham
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19044
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11616952
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(215)323-1300
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	215-323-1797
Email:	docketing.horsham@motorola.com
Correspondent Name:	Motorola, Inc.
Address Line 1:	101 Tournament Drive
Address Line 4:	Horsham, PENNSYLVANIA 19044
ATTORNEY DOCKET NUMBER:	BCS04370
NAME OF SUBMITTER:	Larry T. Cullen

CH \$40.00 11616952

Total Attachments: 4  
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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Ruoding Li, Carlisle, MA; Daniel B. Grossman, Norwood, MA, and William Weeks, Ivyland, PA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto GENERAL INSTRUMENT CORPORATION, a corporation of the State of Delaware, having its principal office in Horsham, State of Pennsylvania, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **METHOD AND APPARATUS FOR CONTROLLING A SEMICONDUCTOR OPTICAL AMPLIFIER FOR USE IN A PASSIVE OPTICAL NETWORK** (Docket No. **BCS04370**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto GENERAL INSTRUMENT CORPORATION, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize GENERAL INSTRUMENT CORPORATION to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to GENERAL INSTRUMENT CORPORATION, for the sole use and benefit of GENERAL INSTRUMENT CORPORATION, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would

have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to GENERAL INSTRUMENT CORPORATION

We agree that, when requested, we will, without charge to GENERAL INSTRUMENT CORPORATION, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in GENERAL INSTRUMENT CORPORATION, its successors, assigns and legal representatives or nominees.

We covenant with GENERAL INSTRUMENT CORPORATION, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Ruoding Li      DATE: 12 / 20 / 2006  
RUODING LI

United States of America    )  
State of                        ) SS  
County of                     )

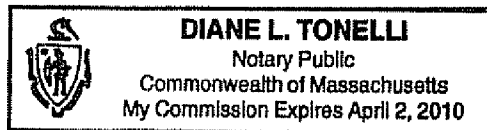
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ruoding Li, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20 day of December, 2006.

My commission expires:

Diane L. Tonelli  
Notary Public Signature

Diane Tonelli  
Printed Name of Notary Public



  
DANIEL B. GROSSMAN

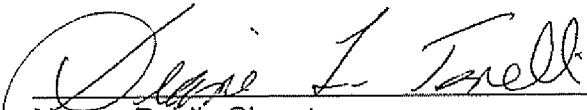
DATE: December 20 2006

United States of America )  
State of ) SS  
County of )

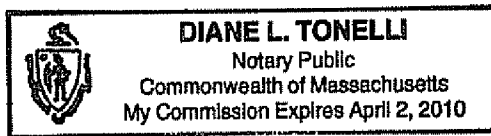
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Daniel B. Grossman, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20 day of December, 2006.

My commission expires:

  
Notary Public Signature

Diane Tonelli  
Printed Name of Notary Public



William A Weeks DATE: 12-20-06  
WILLIAM WEEKS

United States of America )  
State of Pennsylvania ) SS  
County of Montgomery )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that William Weeks, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20 day of December, 2006.

My commission expires:

Carol J. Smith  
Notary Public Signature

Carol J. Smith  
Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Carol J. Smith, Notary Public  
Horsham Twp., Montgomery County  
My Commission Expires July 21, 2010  
Member, Pennsylvania Association of Notaries