

**DECLARATION AND POWER OF ATTORNEY**

**First Named Inventor: OLEKSIY ANDRUSYAK**

**Title: LASER PULSE TEMPORAL, SPECTRAL AND SPATIAL SHAPING DEVICES BASED ON VOLUME DIFFRACTIVE GRATINGS WITH VARIABLE PERIOD**

**Atty. Docket Number: UCF-674CIP**

**U.S. Serial No.: 13/006,108**

**Filed: 01/13/2011**

As a below-named inventor, I hereby declare that:

My residence, post office address, mailing address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter, which is claimed and for which a patent is sought on the invention entitled: **LASER PULSE TEMPORAL, SPECTRAL AND SPATIAL SHAPING DEVICES BASED ON VOLUME DIFFRACTIVE GRATINGS WITH VARIABLE PERIOD** the specification which was filed with U.S. Patent Appl. No.: 13/006,108 filed on January 13, 2010

I hereby state that I have read and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information, which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

NONE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Provisional Serial No. 61/294,566 filed 01/13/2010

U.S. Utility Serial No. 11/261,077 filed 10/28/2005

U.S. Provisional Serial No. 60/623,889 filed 11/01/2004

U.S. Utility Serial No. 10/665,339 filed 09/19/2003 now U.S. Patent 7,326,500

U.S. Utility Serial No. 09/750,708 filed 12/28/2000 now U.S. Patent 6,673,497

U.S. Utility Serial No. 09/648,293 filed 08/24/2000 now U.S. Patent 6,586,141

U.S. Provisional Serial No. 60/174,432 filed 01/04/2000

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys and agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

**BRIAN S. STEINBERGER**  
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I do not know and do not believe that this invention was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application, that this invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

The Patent and Trademark Office is requested to direct all mail and telephone calls to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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**X Assignment submitted with initial filing**

**First Named Inventor: OLEKSIY ANDRUSYAK**

**Title: LASER PULSE TEMPORAL, SPECTRAL AND SPATIAL SHAPING DEVICES BASED ON VOLUME DIFFRACTIVE GRATINGS WITH VARIABLE PERIOD**

**Atty. Docket Number: UCF-674CIP**

**U.S. Serial No.: 13/006,108**

**Filed: 01/13/2011**

## **ASSIGNMENT**

**As a below named inventor(s) of an invention or improvement entitled: LASER PULSE TEMPORAL, SPECTRAL AND SPATIAL SHAPING DEVICES BASED ON VOLUME DIFFRACTIVE GRATINGS WITH VARIABLE PERIOD the specification of which was filed with U.S. Patent Appl. No.: 13/006,108 filed on January 13, 2011 and**

**and for which we have executed an application for Letters Patent of the United States of America on even date herewith; and**

**WHEREAS, UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., a Florida Non-Profit Organization organized and existing under the laws of the State of Florida, having its principal office and place of business in the City of Orlando, State of Florida, and OPTIGRATE CORPORATION, a Corporation organized and existing under the laws of the State of Florida, having its principal office and place of business in the City of Orlando, State of Florida is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;**

**NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer, and set over, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. and OPTIGRATE CORPORATION, its successor, legal representatives, and assigns, my entire right, title, and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitution, and continuing applications, thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention, in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention, in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. and OPTIGRATE CORPORATION, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.**

**X** Assignment submitted with initial filing

And I/we hereby further covenant and agree that I/we will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. and OPTIGRATE CORPORATION, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitution, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. and OPTIGRATE CORPORATION, its successors, legal representative, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I/we authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Inventor:

\_\_\_\_\_  
**OLEKSIY ANDRUSYAK**

Date: \_\_\_\_\_

Inventor:

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**LEONID B. GLEBOV**

Date: \_\_\_\_\_

Inventor:

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**JULIEN LUMEAU**

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