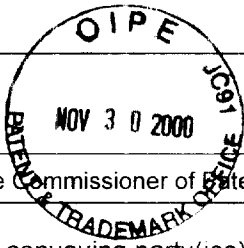


12-15-2000



101552880

To the Honorable Commissioner of Patents

3 original documents or copy thereof

- Name of conveying party(ies) *mu*
Sean M. KIRKPATRICK *11-30-00*
 - Name and address of receiving party(ies):
Science Applications International Corp., 10260 Campus Point Drive, San Diego, CA 92121
 - Nature of conveyance:
 Assignment
 Security Agreement
 Other:
 Merger
 Change of Name
 Execution Date(s) **November 14, 2000**
 - Application number(s) or patent number(s):
 This document is being filed together with a new application:
 (a) The execution date(s) of the application is/are:
 (b) The title is:
 *** OR ***
 This document is being filed after filing of the application:
 (a) Patent Application No(s). 09/657,169 filed September 7, 2000 or
 (b) Patent No(s) _____, issued _____
 - Name and address of party to whom correspondence concerning document should be mailed:
GEORGE T. MARCOU
KILPATRICK STOCKTON LLP
700 13th Street, N.W., Suite 800
Washington, D.C. 20005
 Our Docket: **SAIC0011-US**
 - Total number of applications and patents involved: 1
 - Total fee (37 CFR 3.41) \$ **40.00**
 Enclosed
 Authorized to be charged to deposit account.
 - Deposit Account No.: **501458** (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)
 - Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
George T. Marcou, Reg. No. 33,014
 Name of Person Signing _____ Signature *[Signature]* Date 11/30/00
- Total number of pages including cover sheet, attachment and document: 3

DO NOT USE THIS SPACE

12/15/2000 MTHAI1 00000063 09657167
FC:581 W.C. UP

ASSIGNMENT

WHEREAS, I. Sean M. KIRKPATRICK (referred to as "ASSIGNOR"), and others have invented certain new and useful improvements in an invention set forth in:

1. U.S. Patent Application No. 09/657,169, filing date of September 7, 2000, and entitled "Holographic Recording and Micro/Nanofabrication Via Ultrafast Holographic Two-Photon Induced Photopolymerization (H-TPIP)";
2. Provisional Patent Application No. 60/189,896, filing date of March 16, 2000, and entitled "Holographic Recording and Micro/Nanofabrication Via Ultrafast Holographic Two-Photon Induced Photopolymerization (H-TPIP)";
3. Provisional Patent Application No. 60/198,732, filing date of April 21, 2000, and entitled "Holographic Recording and Micro/Nanofabrication Via Ultrafast Holographic Two-Photon Induced Photopolymerization (H-TPIP)";
4. Provisional Patent Application No. 60/206,791, filing date of May 24, 2000, and entitled "Electrically Switchable Gratings Formed Using Ultrafast Holographic Two-Photon Induced Photopolymerization (H-TPIP)"; and
5. Provisional Patent Application No. 60/216,691, filing date of July 7, 2000; and entitled "Electrically Switchable Gratings Formed Using Ultrafast Holographic Two-Photon Induced Photopolymerization (H-TPIP)";

all of which were filed in the U.S. Patent and Trademark Office.

WHEREAS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION having an office at 10260 Campus Point Drive, San Diego, California 92121 (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said applications and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells and transfers to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said applications or any patent application claiming priority to the applications.

or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term of terms for which the same may be granted: and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

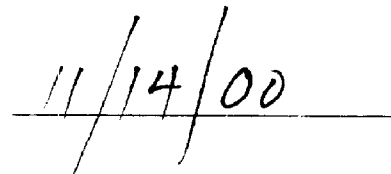
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said applications, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said applications, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and signed on the date indicated below:

INVENTOR

DATE SIGNED


Sean M. KIRKPATRICK



85393.1