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PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached original documents or the new address(es) below.

1. Name of conveying party(ies)

John CARBERRY

2. Name and address of receiving party(ies)

Name: Neptec Optical Solutions, Inc.

Internal Address: _____

Street Address: 110 W Old Andrew Johnson Hwy

City: Jefferson City

State: TN

Country: _____ Zip: 37760

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 3/14/2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas A. Kulaga

Internal Address: _____

Street Address: Pitts & Brittian, P.C.

P.O. Box 51295

City: Knoxville

State: TN Zip: 37950-1295

Phone Number: 865-584-0105

Fax Number: 865-584-0104

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 16-1910(31072.00)

Authorized User Name _____

9. Signature:

Thomas A. Kulaga

5-3-05

Date

Thomas A. Kulaga

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents

1

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

05/05/2005 HMARZ11 00000078 11120332

06 FC:8621

(40.00 OP)

PATENT
REEL: 016535 FRAME: 0019

ASSIGNMENT

I, the below-identified Inventor, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to

Neptec Optical Solutions, Inc., a corporation of Tennessee, domiciled in Jefferson County, TN

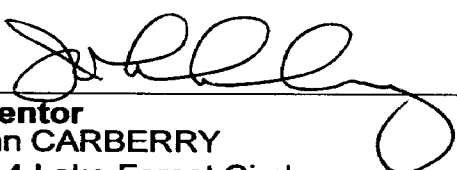
(hereinafter "Assignee"), its successors, assigns, and legal representatives the entire right, title and interest throughout the world in and to all subject matter invented by me and disclosed in the application for a Letters Patent in the United States executed by me on the date hereinafter indicated entitled:

Optical Switch Alignment Mechanism

and in and to all patent and all foreign, convention and treaty rights of all kinds, in all countries throughout the world, for all such subject matter or improvements therein. I agree to sign all papers necessary to secure all said patent rights, and request issuance of all said patents to Assignee in accordance with this assignment.

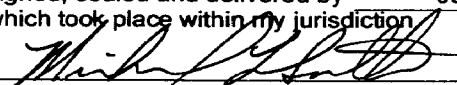
Date

14 March 05


Inventor
John CARBERRY
2914 Lake Forest Circle
Talbott, TN 37877
Jefferson County, TN

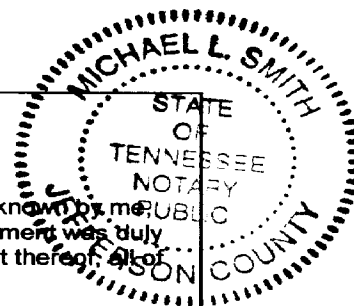
IN THE COUNTY OF Jefferson)
STATE OF Tennessee) ss.:

I hereby certify that before me personally appeared John CARBERRY, personally known to me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing instrument was truly signed, sealed and delivered by John CARBERRY on the date appearing at the foot thereof, all of which took place within my jurisdiction.


NOTARY PUBLIC

My Commission Expires:

MARCH 14, 2005
OCTOBER 6, 2008



ASSIGNMENT

I, the below-identified Inventor, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to

Neptec Optical Solutions, Inc., a corporation of Tennessee, domiciled in Jefferson County, TN

(hereinafter "Assignee"), its successors, assigns, and legal representatives the entire right, title and interest throughout the world in and to all subject matter invented by me and disclosed in the application for a Letters Patent in the United States executed by me on the date hereinafter indicated entitled:

Optical Switch Alignment Mechanism

and in and to all patent and all foreign, convention and treaty rights of all kinds, in all countries throughout the world, for all such subject matter or improvements therein. I agree to sign all papers necessary to secure all said patent rights, and request issuance of all said patents to Assignee in accordance with this assignment.

14 March 05
Date

[Signature]
Inventor
John CARBERRY
2914 Lake Forest Circle
Talbot, TN 37877
Jefferson County, TN

IN THE COUNTY OF Jefferson)
STATE OF Tennessee) ss.:

I hereby certify that before me personally appeared John CARBERRY, personally known to me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing instrument was duly signed, sealed and delivered by John CARBERRY on the date appearing at the foot thereof, all of which took place within my jurisdiction.

[Signature]
NOTARY PUBLIC

My Commision Expires:

MARCH 14, 2005
OCTOBER 6, 2008

