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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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102447763

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Carvel E. Holton

5.12.03

2. Name and address of receiving party(ies):

Name: Virginia Polytechnic Institute and State University

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: Blacksburg State: VA ZIP: 24060

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: April 15, 2003Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

09/956.634

Additional numbers attached? ☐ Yes ☒ No

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

Name: Cantor Colburn LLP

Internal Address: \_\_\_\_\_

Street Address: 55 Griffin Road SouthCity: BloomfieldState: CTZIP: 060026. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

06-1130

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

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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.

David Arnold Reg. No. 48.894

May 8, 2003

Name of Person Signing

Signature

2

Date

Total number of pages including cover sheet, attachments, and document:

## ASSIGNMENT

**WHEREAS**, Carvel E. Holton, of Blacksburg, Virginia, (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in an invention entitled:

### QUADRATURE PROCESSED LIDAR SYSTEM

for which an application for United States Letters Patent Serial No. 09/956,634 has been filed on September 20, 2001; and

**WHEREAS**, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNEE), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:** Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest 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 application 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 or 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** hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

**ASSIGNOR** further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, 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 application, 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**, ASSIGNOR has caused the hand of its proper office to be subscribed hereto this 15 day of APRIL, 2003.

Witnessed by:

Diana S. Lucas

Carvel E. Holton

Carvel E. Holton