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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

Herbert E. M. Viggh

Massachusetts Institute of Technology

2. Name and address of receiving party(ies)

Name: Government of the United States of America as
represented by the Secretary of the Air Force

Internal Address: ESC/JAZ

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Street Address: 40 Wright Street

Bldg 1120

City: Hanscom AFB State: MA Zip: 01731-2903

Execution Date: 26 June 2003

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

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

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

A. Patent Application No.(s) 10/642,809

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: ESC/JAZ

Internal Address: _____

Street Address: 40 Wright Street

City: Hanscom AFB State: MA Zip: 01731-2903

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00



Enclosed



Authorized to be charged to deposit account

8. Deposit account number:

AF01-0465

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OPR/FINANCE

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9. Signature.

JULIAN L. SIEGEL

Name of Person Signing

Signature

21 January 2004

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 014927 FRAME: 0716

**ASSIGNMENT
(SOLE-CONTRACTOR)**

WHEREAS the Government of the United States of America entered into a Contract No. F19628-00-C-0002 with **Massachusetts Institute of Technology**, as Contractor, which contract provides that as to all discoveries, inventions, or improvements made or first reduced to practice in the performance thereof and not covered or to be covered by applications for Letters Patent filed by the Contractor, the Government of the United States shall be entitled to an assignment of the entire right, title, and interest therein, reserving to the Contractor, however, a nonexclusive, revocable, royalty-free license therein;

WHEREAS **Herbert E.M. Viggh** was employed by the Contractor and during the course of their employment made an invention entitled **SPATIAL SURFACE PRIOR INFORMATION REFLECTANCE ESTIMATION (SPIRE) ALGORITHMS** which invention forms a part of the aforesaid contract; and

WHEREAS the Contractor has signified its intention not to file an application for Letters Patent on the aforesaid invention;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, **Herbert E.M. Viggh**, the inventor, and **Massachusetts Institute of Technology**, the Contractor, by its duly authorized officer or agent, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the Secretary of the Air Force, the entire right, title, and interest throughout the United States of America, its territories and dependencies, and all foreign countries, in and to the said invention entitled **SPATIAL SURFACE PRIOR INFORMATION REFLECTANCE ESTIMATION (SPIRE) ALGORITHMS** described in the specification executed by me on or about the 26 day of June 2003, preparatory to obtaining Letters Patent of the United States therefore and all Letters Patent issuing thereon and any continuations, divisions, and reissues or extensions thereof, reserving to the Contractor a nonexclusive, revocable, royalty-free license to make, use and/or sell the subject matter of said invention described in the aforesaid specification and in any patent or patents which may issue thereon and any continuations, divisions and reissues or extensions thereof without the payment of royalties thereon, which license shall be assignable to the successor of that part of the Contractor's business to which it pertains; I do hereby authorize and request the Commissioner for Patents to issue the said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as the assignee of the said entire right, title and interest in and to the same for the sole use, except as aforesaid for the full term or terms for which said Letters Patent and any continuations, divisions, and reissues or extensions thereof are or may be granted as fully and entirely, except as aforesaid, as the same would have been held by **Herbert E.M. Viggh** and **Massachusetts Institute of Technology**, had this assignment not been made; and I, **Herbert E.M. Viggh**, the inventor, hereby agree to execute any and all applications for Letters Patent, both domestic and foreign, and to furnish


all data and documents and to execute any papers which may be necessary for the preparation and filing of such applications, except it shall be understood that I shall not be subject to any out-of-pocket expense relative to such action.

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Inventor Herbert E.M. Viggh
Herbert E.M. Viggh

STATE OF Massachusetts

3. COUNTY OF Middlesex SS.

Before me, a Notary Public in and for the county of Middlesex and state of Mass, on this 9 day of January 2004, personally appeared **Herbert E.M. Viggh** to me known personally, who being duly sworn did say that he is the inventor who signed the above instrument and acknowledged said instrument to be his free act and deed.



Notary Public

(SEAL)

* * * * *

Contractor Massachusetts Institute of Technology

Officer or Agent (A) John H. Turner, Jr.

4. Signature JOHN H. TURNER, JR.
Title ASSOCIATE DIRECTOR

Business Address 77 Massachusetts Ave
Cambridge, MA 02139

Signed this 9 day of Jan 2003, 2004

I, (B) John H. Turner, Jr., certify that I am the Secretary, Assistant Secretary, or equivalent, of the Corporation named as Contractor herein; that (A) John H. Turner, Jr. who signed this assignment on behalf of the Contractor, was then Assoc Dir of TLO of said Corporation; that said assignment was duly signed for and in behalf of said Corporation by authority of its governing body, and is within the scope of its corporate powers.

(B) John H. Turner, Jr.
Signature

Signed this 9th day of Jan 2003, 2004