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

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

1. Name of conveying party(ies):

Barry E. Burke
Robert K. Reich

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 2 Nov 04, 2 Nov 04

Street Address: 40 Wright Street
Bldg 1120

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

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) 11/005,515

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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9. Signature.

JULIAN L. SIEGEL

Name of Person Signing

Signature

1 Feb 2005

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. 20231

02/09/2005 ECDOPER 00000132 010465 11005515

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OFFICE OF PUBLIC RECORDS

PATENT
REEL: 016230 FRAME: 0429

**ASSIGNMENT
(JOINT-CONTRACT)**

WHEREAS the Government of the United States of America entered into a contract numbered 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 Barry E. Burke and Robert K. Reich were employed by the Contractor and during the course of their employment made an invention entitled Image Sensor With Reduced Sensitivity To Gamma Rays 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, we Barry E. Burke and Robert K Reich, the inventors, 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 Image Sensor With Reduced Sensitivity To Gamma Rays described in the specification executed by Barry E. Burke and Robert K. Reich on or about the 2nd day of November 20 04, on or about the 2nd day of November 2004, respectively; 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; we do hereby authorize and request the Commissioner of 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 Barry E. Burke and Robert K. Reich, and Massachusetts Institute of Technology had this assignment not been made; and we Barry E. Burke and Robert K. Reich, the inventors, 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 or filing of such applications, except it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

INVENTOR Barry E. Burke
BARRY E. BURKE

STATE OF Massachusetts
COUNTY OF Middlesex SS.

Before me, a Notary Public in and for the county of Middlesex, and state of Massachusetts, on this 2nd day of November, 2004, personally appeared Barry E. Burke to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed.

(SEAL)

Susan M. Hunt
Notary Public
Commission Expires 12/31/10

INVENTOR 
ROBERT K. REICH

STATE OF Massachusetts
COUNTY OF middlesex SS.

Before me, a Notary Public in and for the county of Middlesex,
and state of Massachusetts, on this 2nd day of November, 2004,
personally appeared Robert K. Reich to me known personally, who being duly sworn did say
that he is one of the inventors who signed the above instrument and acknowledged said
instrument to be his free act and deed.

(SEAL) 
Notary Public
Commission Expires 12/31/10
* * * * *

Contractor Massachusetts Institute of Technology

Officer or Agent (A)

Signature _____
Title _____
Business Address _____

Signed this _____ day of _____ 20 ____.

I, (B) _____, certify that I am the Secretary, Assistant Secretary, or
equivalent, of the Corporation named as Contractor herein; that (A) _____
who signed this assignment on behalf of the Contractor, was then _____
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) _____
Signature _____
Signed this _____ day of _____ 20 ____