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1. Name of conveying party(ies)
Thomas M. Shay
11/29/05
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: The Government of the United States as Represented by
the Secretary of the Air Force
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3. Nature of conveyance/Execution Date(s):
Execution Date(s) November 29, 2005
 Assignment Merger
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4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s) _____
B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Kenneth E. Callahan
Internal Address: 377 ABW/JAN
Street Address: 2251 Maxwell SE
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State: NM Zip: 87117
Phone Number: 505 846-1542
Fax Number: 505 846-0279
Email Address: kenneth.callahan@kirtland.af.mil

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 _____
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Authorized User Name Kenneth E. Callahan

9. Signature: *K E Callahan* _____ November 29, 2005
Signature Date
12/05/2005 DBYRNE/ 00000161 010465 11289260
01 FC:8021 40.00 DA Kenneth E. Callahan Total number of pages including cover sheet, attachments, and documents: 3
Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, I, **Thomas M. Shay**, while employed by the Government of the United States, made an invention entitled **Self-Synchronous Locking of Optical Coherence by Single Detector Electronic-frequency Tagging**, and described in application for Letters Patent of the United States executed by me on or about the 29 day of Nov., 2005;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the promises and other valuable considerations, I, **Thomas M. Shay**, the inventor, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, my entire right, title and interest throughout the United States of America, its territories and dependencies, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; I hereby authorize and request the Commissioner of Patents and Trademarks to issue 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 assignee of my entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use 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 as the same would have been held by me had this assignment not been made; and I do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, the option to take all of the right, title and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in my invention, or applications for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries within six months of the filing date of any application for United States Letters Patent covering my invention, or within six months from the declassification of my invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States; and I hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation

and filing of such domestic applications, or for the Government to exercise its option granted hereunder, except that I shall not be subject to any out-of-pocket expense relative to such action.

Inventor Thomas M. Shay
Thomas M. Shay

STATE OF: New Mexico

ss:

COUNTY OF: Bernalillo

Before me, a Notary Public in and for the county of Bernalillo and state of New Mexico, on this 29th day of November, 2005, personally appeared Thomas M. Shay, who being duly sworn did say that he is the inventor who signed the above Assignment and acknowledged said Assignment to be his free act and deed.

(Seal)

Libby D. Waits
Notary Public

My commission expires May 31, 2009