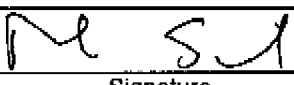
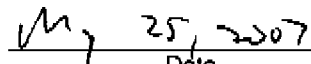


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5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Fredric L. Sinder</u> Internal Address: <u>AFMCLO/JAZ</u> <u>Bldg 11, Room 100</u> Street Address: <u>2240 B Street</u> City: <u>Wright-Patterson AFB</u> State: <u>Ohio</u> Zip: <u>45433-7109</u> Phone Number: <u>(937) 255-2838</u> Fax Number: <u>(937) 255-3733</u> Email Address: <u>fredric.sinder@wpafb.af.mil</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit card Last 4 Numbers _____ Expiration Date: _____ b. Deposit Account Number <u>AF01-0465</u> Authorized User Name <u>Fredric L. Sinder</u>
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Filed: 30 Apr 07

ASSIGNMENT

WHEREAS, I, Richard A. Soref, while employed by the Government of the United States, made an invention entitled SEMICONDUCTOR PHOTONIC NANO COMMUNICATION LINK APPARATUS, and described in application for Letters Patent of the United States executed by me on the 16th day of APRIL, 2007;

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

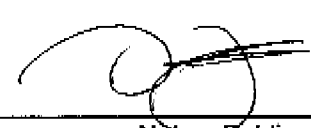
NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, Richard A. Soref, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to the United States, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; I hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, 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 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 or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

Inventor


RICHARD A. SOREF

SUBSCRIBED AND ACKNOWLEDGED before me this 16th day of April
2007, at the city of Hanscom AFB, in the County of Middlesex
and State of MA.

(Seal)


Notary Public

ANDREW GARZA III, TS, JUSAF
Paralegal, 10 U.S.C. 1044 a/b
Office of the Staff Judge Advocate