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To the Honoldter Good issioner of 1. Name of conveying party(ies): 1. 101817965 attached original documents or copy thereof. address of receiving party(ies):	
PRINCETON UNIVERSITY 8 , 1018173	Name: United States Air Force
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address: AFMC LO/JAZ
3. Nature of conveyance:	Street Address: 2240 B Street, Room 100
 ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☑ Other Confirmatory License 	City: Wright-Patterson Air Force Base
	State: Ohio Zip: 45433-7109
Execution Date(s): 16 July 2001	
☑ This instrument should be recorded on the governmental register in accordance with 37 CFR 7.1(e)(1).	Additional name(s) & address(es) attached? 口 Yes 図 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):	B. Patent No.(s):
09/252,494	
Additional numbers attached? ☐ Yes 図 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved:	
concerning document should be mailed:	1
Name: Fredric L. Sinder	- T. I. (27.05D 2.44)
Internal Address: AFMC LO/JAZ	7. Total fee (37 CFR 3.41)
Street Address: 2240 B Street, Room 100	☐ Enclosed ☑ Not applicable The instrument to be recorded is not an instrument
O' Maint Dotton on Air Forn of Done	affecting title (37 CFR 3.41(b)).
City: Wright-Patterson Air Force Base	8. Deposit account number:
State: Ohio ZIP: 45433-7109	(Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true	
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Fredric L. Sinder	7/31/2001 Signature Date
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PATENT REEL: 012077 FRAME: 0873

ONFIRMATORY INSTRUMENT CONTRACT NO. PRINCETON UNIVERSITY F33615-94-1-1414 ADDRESS OF CONTRACTOR P.O. BOX 36, PRINCETON, NJ 08544-0036 TITLE OF INVENTION STRAIN COMPENSATED INDIUM GALIUM ARSENIDE QUANTUM WELL PHOTOCONDUCTORS WITH HIGH INDIUM CONTENT EXTENDED WAVELENGTH OPERATION NAME OF INVENTOR JOHN C. DRIES, STEPHEN R. FORREST, MILIND GOKHALE FILING DATE SERIAL NO. 09/252,494 FEBRUARY 18, 1999 The invention identified above is a "Subject Invention" under Patent Rights Clause included in the above Contract No. with the United States Department of the Air Force. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application, patent and any counterpart application throughout the world, and of all other rights acquired by the Government by the referenced Patent Rights Clause. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. (seal) Drector, Office of Technol DATE OF EXECUTION

Dec. 1997

PATENT REEL: 012077 FRAME: 0874

RECORDED: 08/03/2001