OMB No. 0651-0027			U.S. DEPARTMENT OF COM Inited States Patent and Trade		
CAR RECORDATION FOR PATENTS			S-131,383		
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.					
1. Name of conveying party(les)		2. Name and address of receiving party(les)			
Massachusetts Institute of Technology		Name: United States Department of Energy Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes 📝 No					
3. Nature of conveyance/Execution Date(s): Execution Date(s) August 27, 2012		Street Address: 1000 Independence Ave., S.W			
Assignment Merger Security Agreement Change of Name		City: Washington			
Joint Research Agreement		State: D.C.			
☐ Government Interest Assignment ☐ Executive Order 9424, Confirmatory License		Country: USA	Zip: <u>20585</u>	****	
Other		Additional name(s) & ad	dress(es) attached? 🔲 Ye	s 🗸 No	
A. Patent Applic Serial No. 11	, ,	B. Patent No.(s)	•		
5. Name and address to whom correspondence concerning document should be mailed: Name: Mark P. Dvorscak		6. Total number of applications and patents involved: 1			
		7. Total fee (37 CFR 1.21(h) & 3.41) \$			
Internal Address: U. S. Dept. of Energy, IPLD		Authorized to be charged by credit card			
Street Address: 9800 S. Cass Ave		Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)			
City: Argonne		8. Payment Information			
State: IL			st 4 Numbers		
Phone Number: 630-252-2393					
Fax Number: 630-252-2779		b. Deposit Account Number			
Email Address:		Authorized Use	r Name		
9. Signature: 10/26/20/2					
Signature Date					
	Michael J. Dobbs #58,093 Name of Person Signing		nber of pages including cover ttachments, and documents:	2	

Documents to be recorded (including cover sheet) should be fexed 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

PATENT REEL: 029252 FRAME: 0969

MIT 11530

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in lEdison).
Invention Title: Upconversion Multichannel Infrared Spectrometer
Inventor(s): Matthew Forbes Decamp & Andrei Tokmakoff
U.S. Filing/Issue Date: 06/02/2006
Patent or Application Serial No.: 11/446, 588
Grant/Contract Number(s): DE-FG02-99ER14988
Foreign Applications filed/intended in (countries):
The Invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clau at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the about Identified grant or contract award from the United State Government. This document is confirmatory of:
 The nonexclusive, nontransferable, Irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, as continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws ar regulations that are applicable to the award.
The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified pate application.
Signed this 27th day of August 20 12
By Rolande Johndro Rolling (Signature) (Institutional Business Official) (Signature)
Title Patent Compliance Administrator
For Massachusetts Institute of Technology (Grantee/Contractor Organization)
At Technology Licensing Office, 1 Cambridge Ctr. NE18-510 Kendall Sq. Cambridge, MA 02142 (Business Address)

PATENT REEL: 029252 FRAME: 0970

RECORDED: 10/26/2012