

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE												
CONVEYING PARTY DATA													
<table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Massachusetts Institute of Technology</td><td>03/22/2010</td></tr></table>	Name	Execution Date	Massachusetts Institute of Technology	03/22/2010									
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Massachusetts Institute of Technology	03/22/2010												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>National Science Foundation</td></tr><tr><td>Street Address:</td><td>4201 Wilson Blvd</td></tr><tr><td>Internal Address:</td><td>Room 1265</td></tr><tr><td>City:</td><td>Arlington</td></tr><tr><td>State/Country:</td><td>VIRGINIA</td></tr><tr><td>Postal Code:</td><td>22230</td></tr></table>	Name:	National Science Foundation	Street Address:	4201 Wilson Blvd	Internal Address:	Room 1265	City:	Arlington	State/Country:	VIRGINIA	Postal Code:	22230	
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<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>12437818</td></tr></table>	Property Type	Number	Application Number:	12437818									
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Application Number:	12437818												
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Invention Title: Lens Coupled Quantum Cascade LaserInventor(s): Hu, QingLee, Alan Wei MinU.S. Filing/Issue Date: 05/08/2009Patent or Application Serial No.: 12/437818Grant/Contract Number(s): FA9550-06-1-0462, NNX07AI996, ECS0500925

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 clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

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Signed this 22 day of MAR, 20 10.By Rolande Johndra
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(Signature)Title Patent Compliance AdministratorFor AOSR, NASA, NSF MIT rf
(Grantee/Contractor Organization)At Technology Licensing OfficeMassachusetts Institute of TechnologyFive Cambridge Center, Kendall SquareRoom NE25-230Cambridge, MA 02142-1493
(Business Address)**PATENT****RECORDED: 05/14/2010****REEL: 024384 FRAME: 0783**