

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>07/01/2010</td></tr></table>	Name	Execution Date	Massachusetts Institute of Technology	07/01/2010									
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Massachusetts Institute of Technology	07/01/2010												
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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PROPERTY NUMBERS Total: 1													
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>12818233</td></tr></table>	Property Type	Number	Application Number:	12818233									
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Application Number:	12818233												
CORRESPONDENCE DATA													
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This instrument confers to the United States Government, as represented by the Department of Health and Human Services, a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced on its behalf throughout the world the following subject invention, patent application and any and all divisions or continuations, and any resulting patent or reissues which may be granted thereon:

M.I.T. Case No.: 11783

Invention Title: Integrated Composite Fibers for Self-Monitored Optical Transport

Inventor(s): Ayman F. Abouraddy, Jerimy R. Arnold, Mehmet Bayindir, Yoel Fink, John D. Joannopoulos, Ofer Shapira and Fabien Sorin

Serial No.: 12/818,233

Filing Date: June 18, 2010

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Issue Date:

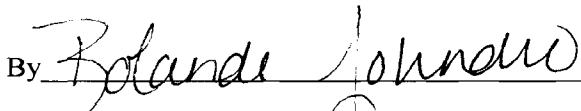
Title: Thermal Sensing Fiber Devices

This subject invention was conceived or first actually reduced to practice in performance of a government-funded project, Army Research Office under Grant No. DAAD19-03-1-0357, Department of Energy under Grant No. DE-FG02-99ER45778, and National Science Foundation under Grant No. DMR0213282.

Principal rights to this subject invention have been left with the Licensor: MASSACHUSETTS INSTITUTE OF TECHNOLOGY, subject to the provisions of 37 CFR 401 and 45 CFR 8.

Signed this 1st day of July, 2010.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

By  \_\_\_\_\_

Rolande Johndro

Patent Compliance Administrator

Technology Licensing Office

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