

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENCE
CONVEYING PARTY DATA	
Name	Execution Date
Massachusetts Institute of Technology	09/17/2007
RECEIVING PARTY DATA	
Name:	National Science Foundation
Street Address:	4201 Wilson Blvd.
Internal Address:	rm 1265
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State/Country:	VIRGINIA
Postal Code:	22230
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10409995
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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.: 9531
Invention Title: "A Photonic-Crystal Negative-Refraction Medium Employing a Positive Effective Index"
Inventor(s): Yoel Fink, John D. Joannopoulos, Steven G. Johnson and Chiyang Luo
Serial No.: 10/409,995
Filing Date: April 9, 2003
Patent No.: N/A
Issue Date: N/A
Title: "Photonic Crystal Exhibiting Negative Refraction Without Requiring A Negative Effective Index"

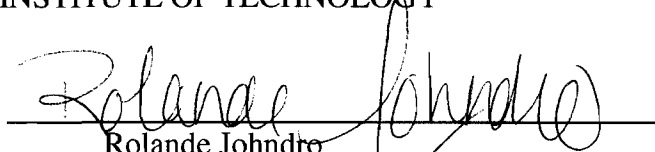
This subject invention was conceived or first actually reduced to practice in performance of a government-funded project, National Science Foundation under NSF Grant No. DMR-9808941.

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 17th day of September, 2007.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

By



Rolande Johndro
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PATENT

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