### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

#### **CONVEYING PARTY DATA**

Name	Execution Date
Massachusetts Institute of Technology	03/22/2010

#### **RECEIVING PARTY DATA**

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11560129

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Total Attachments: 1 source=70#page1.tif

PATENT 501175563 REEL: 024382 FRAME: 0018

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(Business Address)

**RECORDED: 05/13/2010** 

Sign and Fax this to (301) 480-0272
Invention Title: Pi-Phase Shift Device for Light
Inventor(s): <a href="mailto:Bermel">Bermel</a> , <a href="Peter">Peter</a>
Joannopoulos, John D.
U.S. Filing/issue Date: 11/15/2006
Patent or Application Serial No.: 11/560129
Grant/Contract Number(s): DMR0213282
Foreign Applications filed/intended in (countries):
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PATENT REEL: 024382 FRAME: 0019