PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF MICHIGAN	02/12/2010

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
Street Address:	1000 INDEPENDENCE AVE. S.W.	
City:	WASHINGTON	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12531595

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ATTORNEY DOCKET NUMBER:	12/531,595 PSL
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DATE SIGNED:	04/18/2019

Total Attachments: 1

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PATENT 505433759 REEL: 050161 FRAME: 0869

License to the United States Government

Invention Title: Embedding Periodic Low-Index Material in the Top-Emitting Organic Light Emitting Devices to Enhance the Light Outcoupling

Inventor(s): Stephen Forrest, Stephen Forrest, Yiru Sun

U.S. Filing/Issue Date: <u>09/16/2009</u> / <u>00/00/00</u>

Patent or Application Serial No.: 12/531,595

Grant/Contract Numbers::DOE - DE-FC26-04NT42272.

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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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 12th day of February, 2010.

By: Michael Hallman

(Name of Grantee/Contractor Official)

(Signature)

Title: Patent Administrator

For: University of Michigan

(Grantee/Contractor Organization)

RECORDED: 04/18/2019

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PATENT REEL: 050161 FRAME: 0870