## 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 |
|---------------------------|----------------|
| MICHIGAN STATE UNIVERSITY | 10/23/2009     |

### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12489195 |

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| DATE SIGNED:            | 04/05/2018      |

**Total Attachments: 1** 

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**PATENT** 504855351

REEL: 046433 FRAME: 0405

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| Sign and Fax this to (301) 480-0272   |
|---|
| Invention Title: Binary Laser Pulse Shaping   |
| Inventor(s): Yadim V. Lozovoy, Marcos Dagius, Matthew Comstock  |
| U.S. Filing/Issue Date: 26/22/2009  |
| Patent or Application Senal No.: 12/489,195   |
| Grant/Contract Number(s): DE-FG02-01ER15143   |
| 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 23°D day of <u>Ceteber</u> , 20 <u>09</u> .  By <u>Michael R. Poterala</u> <b>20 P. J.</b> (Name of Grantee/Contractor Official) (Signature)  |
| Title Assistant V.P. & Executive Director   |
| For MICHIGAN -STATE UNIVERSITY (Grantee/Contractor Organization)  |
| At MSU Technologies 3900 Collins Road Suite 1044 Lansing, MI 48910 US (Business Address)  |

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**RECORDED: 04/05/2018** 

PATENT REEL: 046433 FRAME: 0406