506100097 06/10/2020

PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------------------|----------------|
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 05/23/2018 |

RECEIVING PARTY DATA

| Name: | UNITED STATES DEPARTMENT OF ENERGY |
|-----------------|------------------------------------|
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| City: | WASHINGTON |
| State/Country: | D.C. |
| Postal Code: | 20585 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15656373 |

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| ATTORNEY DOCKET NUMBER: | 15-656373 CAR |
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PATENT 506100097 REEL: 052894 FRAME: 0056

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| Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). | |
|---|-------|
| Invention Title: Far Infra-Red Detection Using Certain Semi-Metals | |
| Inventor(s): Patrick A. Lee, Ching-Kit Chan, Gil Refael, Netanel Lindner, Qiong Ma, Nuh Geo | lik. |
| Sangyu Xu | |
| U.S. Filing/lesue Date: 07/21/2017 | |
| Patent or Application Serial No.: 15/656,373 | |
| Grant/Contract Number(s): DE-FG02-03ER46076, DMR1410435, DE-FG02-08ER46521, DMR1419807 | |
| Foreign Applications filed/intended in (countries): | |
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| By Leigh Edwards | |
| (Institutional Business Official) (Signature) | |
| Title Patent Compliance Administrator | |
| For MASSACHUSETTS INSTITUTE OF TECHNOLOGY | |
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