503795804 04/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3842451

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| UNIVERSITY OF MINNESOTA | 04/20/2016 |

RECEIVING PARTY DATA

| Name: | National Science Foundation |
|-------------------|-----------------------------|
| Street Address: | 4201 Wilson Blvd |
| Internal Address: | Room 1265 |
| City: | Arlington |
| State/Country: | VIRGINIA |
| Postal Code: | 22230 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15131745 |

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Total Attachments: 1 source=2234#page1.tif

PATENT 503795804 REEL: 038506 FRAME: 0831

U/M Case #: 20150091 EIR #: 1450401-14-0106

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| Sign | and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). |
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| Inve | ention Title: Robotic Surveying of Fruit Plants |
| Inve | entor(s): Volkan Isler, Pratap R Tokekar, Nikolaos Stefas, Pravakar Roy |
| U.S | . Filing/Issue Date: 04/18/2016 |
| Pate | ent or Application Serial No.: 15/131,745 |
| Gra | nt/Contract Number(s): IIS1317788, IIS1111638 |
| Fore | eign Applications filed/intended in (countries): |
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| Sigr By | day of April , 20 16 Rough Huebsch (Institutional Business Official) Associate Director |
| Title | Office for Technology Commercialization |
| | REGENTS OF THE UNIVERSITY OF MINNESOTA (Grantee/Contractor Organization) |
| At M | McNamara Alumni Center, Suite 280 200 Oak Street S.E. Minneapolis, MN 55455 (Business Address) |

PATENT REEL: 038506 FRAME: 0832