506082068 05/29/2020

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| COLUMBIA UNIVERSITY | 12/05/2019 |

RECEIVING PARTY DATA

| Name: | NATIONAL SCIENCE FOUNDATION | | | |
|-------------------|-----------------------------|--|--|--|
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| City: | ALEXANDRIA | | | |
| State/Country: | VIRGINIA | | | |
| Postal Code: | 22314 | | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16579782 |

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> **REEL: 052798 FRAME: 0590** 506082068

PATENT

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| Sign and submit th | re executed docume. | of to the appropris | ate funding agency (e | .g. upload in iEdis | on). | |
|---|---|--|---|---|--|---------|
| Invention Title: 0 | TROUTTS FOR MO | NIM-CETTALIDGE | ER-CLOCK MULTI | -BRANCH BECS | XVSB3 | |
| Inventor(s): <u>Pet</u> | er Kinget, Tan | bir Haque, (| Sucriang Has | | | |
| U.S. Filing/issue | Date: <u>09/23/201</u> | 3 | | | | |
| Patent or Applica | ation Serial No.: <u>1.</u> | /579,782 | | | | |
| Grant/Contract N | lumber(s): <u>17338</u> ; |) } | | | | |
| Foreign Applicati | ions filed/intended | in (countries): _ | | | | |
| at 37 CFR 401.1 | 14, FAR 52.227-1 | 1 or FAR 52.22 | 7-12 (if applicable |) which are inclu | nd the Standard Patent Rights claus uded among the terms of the above nent is confirmatory of: | 6 '0 |
| United State continuation 2. All other righ | es the invention c is in part, and in ar | lescribed in any y and all patent o Government b | y patent applications and re-issues gra | on and in any a inted thereon thi | ave practiced for or on behalf of the notal state of the laws are not the laws are notal state of the laws are not laws are no | ci |
| The Governmer application. | nt is hereby granic | ad an irrevocab | le power to inspe | ct and make co | pies of the above-identified pater | 11 |
| Signed this | <u>64</u> | day of | <u>December</u> | , 20 <u>/4</u> | | |
| Bý | | | | indiana, marina, marina | | |
| (Insti | itutional Business (| Official) | | (Signature) | And the second s | |
| Title | | | | ··········· | Sout G. Hamilton | |
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