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PATENT ASSIGNMENT

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

CONVEYING PARTY DATA

| Name | Execution Date |
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| MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 09/06/2012 |

RECEIVING PARTY DATA

| IIName: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government |
|-------------------|--|
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 |
| City: | Bethesda |
| State/Country: | MARYLAND |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13280229 |

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Total Attachments: 1

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PATENT 502076382 REEL: 029045 FRAME: 0628

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| Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). |
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| Invention Title: High-Throughput Neural Circuit Screening in Vivo |
| Inventor(s): Edward S. Boyden, Jacob G. Berstein, Giovanni Talei Franzesi, Christian T. Wentz, |
| Micael V. Baratta, Brian Douglas Allen, Clifton G. Fonstad, Anthony Nicholas Zorzos, |
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| Foreign Applications filed/intended in (countries): |
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| Signed thisday ofSeptember, 20 12 . |
| Rolande Johndro Rolande Johndro |
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PATENT REEL: 029045 FRAME: 0629