PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| IOWA STATE UNIVERSITY | 04/18/2016 |

RECEIVING PARTY DATA

| Name: | UNITED STATES DEPARTMENT OF ENERGY |
|-----------------|------------------------------------|
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| City: | WASHINGTON |
| State/Country: | D.C. |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15093536 |

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| DATE SIGNED: | 06/18/2020 |

Total Attachments: 1

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PATENT 506113582 REEL: 052979 FRAME: 0835

(Business Address)

RECORDED: 06/18/2020

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| Invention Title: Imprinting Bulk Amorphous Alloys at Room Temperature |
| Inventor(s): Eun Soo Park, Ryan T Ott, Jurgen Eckert, Min Ha Lee |
| U.S. Filing/Issue Date: 04/08/2015 |
| Patent or Application Serial No.: 15/093,536 |
| Grant/Contract Number(s): DE-AC02-07CH11358 |
| Foreign Applications filed/intended in (countries): None |
| 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 States Government. This document is confirmatory of: |
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| Signed this day of April, 2016 |
| By Lisa Lorenzen, Ph.D. (Institutional Business Official) Lisa Lorenzen, Ph.D. (isa Lorenzen Geestoren Ge |
| Title Executive Director |
| For IOWA STATE UNIVERSITY (Grantee/Contractor Organization) |
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