

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ERVA ULU | 12/13/2019 |
| NURCAN GECER ULU | 12/13/2019 |
| WALTER HSIAO | 12/13/2019 |
| SAIGOPAL NELATURI | 12/13/2019 |
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| City: | PALO ALTO |
| State/Country: | CALIFORNIA |
| Postal Code: | 94304 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16714923 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 20190344US01/0600.293US01 |
| NAME OF SUBMITTER: | WILLIAM B. ASHLEY |
| SIGNATURE: | /William B. Ashley/ |
| DATE SIGNED: | 12/16/2019 |
| Total Attachments: 1 | |
| source=2019-12-16-Assignment-0600000293US01#page1.tif | |

ASSIGNMENT

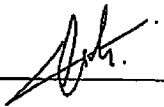

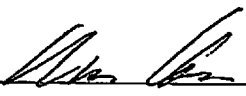

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled SYSTEM AND METHOD FOR DETERMINING SPATIAL DISTRIBUTION OF VARIABLE DEPOSITION SIZE IN ADDITIVE MANUFACTURING (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"),
which Application:

☒ is being executed concurrently herewith,
☐ was first executed on _____
☐ was filed on _____ as Application Number _____
☒ claims the benefit of U.S. Provisional Application(s) No(s). **62/884,763** filed **August 9, 2019**.

Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

| | |
|---|--------------------------|
|  _____ Erva Ulu | _____ DATE 12/13/2019 |
|  _____ Nurcan Gecer Ulu | _____ DATE 12/13/2019 |
|  _____ Walter Hsiao | _____ DATE 12/13/2019 |
|  _____ Saigopal Nelaturi | _____ DATE 12/13/2019 |