

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW J. BOYDSTON	03/02/2015
MARK GANTER	03/02/2015
DUANE STORTI	03/02/2015
ADAM EDWARD GOETZ	03/02/2015
METE YURTOGLU	03/02/2015
MICHAEL BYRNES LARSEN	03/02/2015
GREGORY ISAAC PETERSON	03/02/2015
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<b>City:</b>	TOKYO
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14637062
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	10010-04456 US
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<b>NAME OF SUBMITTER:</b>	PAIGE M. ALSBURY
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<b>SIGNATURE:</b>	/Paige Alsbury/
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<b>DATE SIGNED:</b>	05/05/2015
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**Total Attachments: 2**

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### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Ricoh Company, Ltd., a corporation of Japan and University of Washington a corporation of Delaware (referred to collectively as "ASSIGNEES"), having places of business at 3-6 Nakamagome, 1-Chrome, Ohta-ku, Tokyo, Japan 143-8555 and 4311 11<sup>th</sup> Avenue NE, Suite 500, Seattle, WA 98105 respectively for itself and its successors, transferees, and assignees, the following:

1. An undivided 50% interest to each of ASSIGNEES in the worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled METHODS FOR SOLID FREEFORM FABRICATION ("APPLICATION"), which:

☒ having a filing date of March 3, 3015, and bearing U.S. application serial number 14/637,062.

☐ The APPLICATION claims the benefit of a provisional application, filed on \_\_\_\_\_, now bearing U.S. application serial number \_\_\_\_\_.

2. An undivided 50% interest to each of ASSIGNEES in the worldwide right, title and interest in and to: (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that each of ASSIGNEES may apply for and receive patents for SUBJECT MATTER in FIRST ASSIGNEE's and the SECOND ASSIGNEE's own names.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEES the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEES all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEES shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEES the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEES with the benefits and assistance provided to ASSIGNEES hereunder.

Title: Methods for Solid Freeform Fabrication


Filed: March 3, 2015

Application No.: 14/637,062


INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEES that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

x   
\_\_\_\_\_  
Andrew J. Boydston

3/2/2015  
\_\_\_\_\_  
Date of Signature

x   
\_\_\_\_\_  
Mark Ganter

3/2/15  
\_\_\_\_\_  
Date of Signature

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\_\_\_\_\_  
Duane Storti


3/2/2015  
\_\_\_\_\_  
Date of Signature

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\_\_\_\_\_  
Adam Edward Goetz

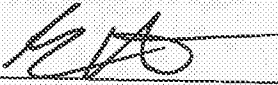
3/2/2015  
\_\_\_\_\_  
Date of Signature

x   
\_\_\_\_\_  
Mete Yurtoglu

3/2/2015  
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Date of Signature

x   
\_\_\_\_\_  
Michael Byrnes Larsen

3/2/15  
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Date of Signature

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\_\_\_\_\_  
Gregory Isaac Peterson

3/2/2015  
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Date of Signature