

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3006443

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAMILLE N. SHAH	09/19/2013
DAVID C. DUNAND	09/18/2013
ADAM E. JAKUS	09/19/2013
RECEIVING PARTY DATA	
Name:	NORTHWESTERN UNIVERSITY
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State/Country:	ILLINOIS
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14449839
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ATTORNEY DOCKET NUMBER:	00100-0028-02
NAME OF SUBMITTER:	PHILIP A. POREMBSKI
SIGNATURE:	/Philip A. Porembski/
DATE SIGNED:	09/03/2014
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, WE, RAMILLE N. SHAH, DAVID C. DUNAND, AND ADAM E. JAKUS (hereinafter collectively referred to as ("ASSIGNORS")) have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of U.S. Application: Methods for Fabricating Three-Dimensional Metallic Objects via Additive Manufacturing Using Metal Oxide Pastes
Serial No.: 61/861,501 **Filing Date:** August 2, 2013

WHEREAS, Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed ASSIGNORS' names to this Assignment on the date indicated below.

Ramille N. Shah 9/19/2013
RAMILLE N. SHAH DATE

State of Illinois
County of Cook ss.

On this 19 day of September, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

Ana Maria Andras
NOTARY PUBLIC

[NOTARY SEAL]

My Commission Expires: 10/23/16



Assignment for Execution

Title of U.S. Application: Methods for Fabricating Three-Dimensional Metallic Objects via Additive Manufacturing Using Metal Oxide Pastes

Serial No.: 61/861,501

Filing Date: August 2, 2013

David C Dunand Sept 18, 2013
DAVID C. DUNAND DATE

State of Illinois

ss.

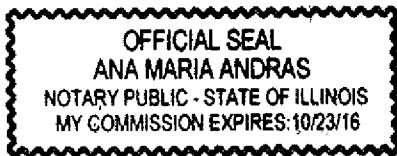
County of Cook

On this 18 day of September, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

Ana Maria Andras
NOTARY PUBLIC

[NOTARY SEAL]

My Commission Expires: 10/23/16



Attorney Docket No. 00100-0028

NU Reference No. 2013-063-01

Assignment for Execution

Title of U.S. Application: Methods for Fabricating Three-Dimensional Metallic Objects via Additive Manufacturing Using Metal Oxide Pastes

Serial No.: 61/861,501

Filing Date: August 2, 2013

Adam E. Jakus 9/19/13
ADAM E. JAKUS DATE

State of ILLINOIS
County of COOK ss.

On this 19 day of September, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

Ana Maria Andras
NOTARY PUBLIC

[NOTARY SEAL]

My Commission Expires: 10/23/16

