505180166 11/07/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMEN	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name		Execution Date	
DOUGLAS C. HOFMA	NN			05/06/2014	
SCOTT N. ROBERTS				05/06/2014	
RECEIVING PARTY D	ΔΤΔ				
Name:		CALIFORNIA INSTITUTE OF TECHNOLOGY			
Street Address:		1200 E CALIFORNIA BOULEVARD			
Internal Address:		M/C 6-32			
City:	PASAD	PASADENA			
State/Country:	CALIFO	CALIFORNIA			
Postal Code:	91125				
PROPERTY NUMBER	S Total: 1				
Property Type		Number			
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Application Number:		15856543			
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CORRESPONDENCE					
CORRESPONDENCE Fax Number: Correspondence will	be sent to	(949)852-0004 • the e-mail address firs		successful, it will be sent	
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Total Attachments: 4

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PATENT REEL: 047440 FRAME: 0160

RECORDATION FORM COVER SHEET PATENTS ONLY					
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)				
Douglas C. Hofmann; Scott N. Roberts	Name: California Institute of Technology				
	Internal Address: M/C 6-32				
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance/Execution Date(s):	Street Address: <u>1200 E. California Boulevard</u>				
Execution Date(s) May 6, 2014; May 6, 2014					
Assignment Merger					
Security Agreement Change of Name	City: Pasadena				
Joint Research Agreement	State: CA				
Government Interest Assignment					
Executive Order 9424, Confirmatory License	Country: US Zip: 91125				
 Other	Additional name(s) & address(es) attached? 🗌 Yes 🔀 No				
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).				
A. Patent Application No.(s)	B. Patent No.(s)				
15/856,543					
Additional numbers att	ached? Yes XNo				
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
Name:KPPB LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$				
Internal Address: Suite 300					
	Authorized to be charged to deposit account				
Street Address: 2190 S. Towne Centre Place					
	None required (government interest not affecting title)				
City: Anaheim	8. Payment Information				
State: <u>CA</u> Zip: <u>92806</u>					
Phone Number: <u>949.852.0000</u>					
Docket Number: C9-03382.DIV	Deposit Account Number <u>50-4407</u>				
Email Address: pair@kppb.com	Authorized User Name				
9. Signature: /John W. Peck/	11/07/2018				
Signature	Date				
John W. Peck	Total number of pages including cover				
Name of Person Signing Documents to be recorded (including cover sheet	sheet, attachments, and documents:				
Mail Stop Assignment Recordation Services, Director of					
	PATENT				

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ASSIGNMENT

WHEREAS, WE, Douglas C. Hofmann and Scott N. Roberts made certain new and useful inventions and improvements for which an application for Letters Patent of the United States entitled SYSTEMS AND METHODS FOR SHAPING SHEET MATERIALS THAT INCLUDE METALLIC GLASS-BASED MATERIALS was filed on April 14, 2014 and was assigned Application No. 14/252,585;

WHEREAS, California Institute of Technology, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1200 East California Boulevard, Mail Stop 6-32, Pasadena, California 91125 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said

1

PATENT REEL: 047440 FRAME: 0162

improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN WITNESS WHEREOF, I have hereunto set my hand this <u>6</u> day of <u>May</u>, 2014.

C. Ha Douglas C. Hofmann

1763 N. Craig Avenue Altadena, CA 91001

WITNESS: State Kolunto

PATENT REEL: 047440 FRAME: 0163

IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of _____, 2014.

N Kalusta

Scott N. Roberts 3221 Crestford Drive Altadena, CA 91001

316.Mg WITNESS

Print name Dov6 HOFMANN
