

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4168054

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFFREY SQUIER	12/09/2014
DAWN VITEK	12/22/2014
CHARLES DURFEE	12/15/2014
DANIEL ADAMS	12/30/2014
DAVID KLEINFELD	12/09/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COLORADO SCHOOL OF MINES
<b>Street Address:</b>	1500 ILLINOIS STREET
<b>City:</b>	GOLDEN
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80401
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13998805
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	303-863-9700
<b>Email:</b>	mreno@sheridanross.com
<b>Correspondent Name:</b>	SHERIDAN ROSS P.C.
<b>Address Line 1:</b>	1560 BROADWAY
<b>Address Line 2:</b>	SUITE 1200
<b>Address Line 4:</b>	DENVER, COLORADO 80202
<b>ATTORNEY DOCKET NUMBER:</b>	4843-52-CIP
<b>NAME OF SUBMITTER:</b>	MATTHEW R. ELLSWORTH
<b>SIGNATURE:</b>	/Matthew R. Ellsworth/
<b>DATE SIGNED:</b>	12/02/2016
<b>Total Attachments: 5</b>	

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source=Assignment\_signed#page4.tif  
source=Assignment\_signed#page5.tif

**Worldwide Assignment**

WHEREAS, I/We, Jeffrey Squier, Dawn Vitek, Charles Durfee, Daniel Adams and David Kleinfeld, have made an invention entitled "SPATIALLY CHIRPED PULSES FOR FEMTOSECOND LASER ABLATION THROUGH TRANSPARENT MATERIALS" for which I/We have filed an application for Letters Patent of the United States on December 9, 2013, under Application No. 13/998,805 and Attorney Docket No. 4843-52-CIP.

WHEREAS, Colorado School of Mines ("ASSIGNEE"), a corporation or other business entity duly registered in the State/Country of CO, whose postal address is 1500 Illinois Street, Golden, CO 80401, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;


NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to me/us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States, Canada and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; and I/We authorize and request the Director of Patents and Trademarks to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I/We further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and filing Date into this Assignment, if none is indicated on that date of my/our execution of this agreement.

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

Signature:   
Date: 12/9/14  
Full Name: Jeffrey Squier  
Address: 802 Brown Squirrel Lane  
Golden, CO 80401  
U.S.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Full Name: Dawn Vitek  
Address: 3222 S. Newcombe St., Unit 1204  
Lakewood, CO 80227  
U.S.

Worldwide Assignment

WHEREAS, I/We, Jeffrey Squier, Dawn Vitek, Charles Durfee, Daniel Adams and David Kleinfeld, have made an invention entitled "SPATIALLY CHIRPED PULSES FOR FEMTOSECOND LASER ABLATION THROUGH TRANSPARENT MATERIALS", for which I/We have filed an application for Letters Patent of the United States on December 8, 2013, under Application No. 13/998,805 and Attorney Docket No. 4843-52-CIP.

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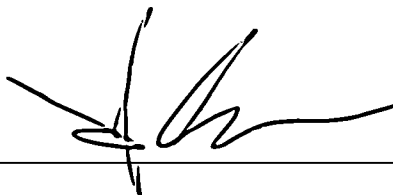
Signature: _____	Signature: <u>Dawn Vitek</u>
Date: _____	Date: <u>12-22-14</u>
Full Name: <u>Jeffrey Squier</u>	Full Name: <u>Dawn Vitek</u>
Address: <u>802 Brown Squirrel Lane</u>	Address: <u>94-1449 Welina Ln #3A</u>
<u>Golden, CO 80401</u>	<u>Waipahu, HI 96797</u>
<u>U.S.</u>	<u>USA</u>

Signature:   
Date: 15 Dec 2014  
Full Name: Charles Durfee  
Address: 700 Aurora Avenue  
Boulder, CO 80302  
U.S.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Full Name: Daniel Adams  
Address: 11556 Monroe Way  
Thornton, CO 80233  
U.S.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Full Name: David Kleinfeld  
Address: 6190 Inspiration Way  
La Jolla, CA 92037  
U.S.

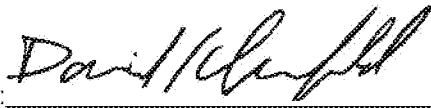
Signature: \_\_\_\_\_  
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Date: \_\_\_\_\_  
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U.S.

Signature:   
Date: 9 Dec 2014  
Full Name: David Kleinfeld  
Address: 6190 Inspiration Way  
La Jolla, CA 92037  
U.S.