

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Richard M. Powers</td><td>03/13/2009</td></tr><tr><td>Wil McCarthy</td><td>03/13/2009</td></tr></tbody></table>	Name	Execution Date	Richard M. Powers	03/13/2009	Wil McCarthy	03/13/2009					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>RavenBrick LLC</td></tr><tr><td>Street Address:</td><td>2201A Lawrence Street</td></tr><tr><td>City:</td><td>Denver</td></tr><tr><td>State/Country:</td><td>COLORADO</td></tr><tr><td>Postal Code:</td><td>80205</td></tr></table>	Name:	RavenBrick LLC	Street Address:	2201A Lawrence Street	City:	Denver	State/Country:	COLORADO	Postal Code:	80205	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13311212</td></tr></tbody></table>	Property Type	Number	Application Number:	13311212							
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Application Number:	13311212										
CORRESPONDENCE DATA											
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Address Line 4: Denver, COLORADO 80202-5549											
ATTORNEY DOCKET NUMBER:	P190977.US.05~485800-1										
NAME OF SUBMITTER:	Brad J. Hattenbach										
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PATENT  
REEL: 027388 FRAME: 0274

## PATENT ASSIGNMENT

### PARTIES TO THE ASSIGNMENT:

#### Assignor(s):

Richard M. Powers  
14400 West Yale Place  
Lakewood, Colorado 80228  
U.S.A.

Wil McCarthy  
1129 South Quail Street  
Lakewood, Colorado 80232  
U.S.A.

#### Assignee:

RavenBrick LLC  
2201A Lawrence Street  
Denver, Colorado 80205  
U.S.A.

State of Incorporation: Colorado limited liability company

### PATENT APPLICATIONS SUBJECT TO THE ASSIGNMENT:

Application Number .....12/172,156  
Filing Date..... 11 July 2008  
Attorney Docket No. .... 190977/US/3  
Title: THERMALLY SWITCHED REFLECTIVE OPTICAL SHUTTER

Application Number .....61/015,589  
Filing Date..... 20 December 2007  
Attorney Docket No. .... 190977/US/2  
Title: THERMALLY SWITCHED REFLECTIVE OPTICAL SHUTTER

Application Number .....60/959,096  
Filing Date..... 11 July 2007  
Attorney Docket No. .... 190977/US  
Title: THERMALLY SWITCHED REFLECTIVE OPTICAL SHUTTER

WHEREAS, the Assignor(s) identified above(hereinafter, individually and collectively the "Assignor"), have invented certain new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof (the "Invention"), disclosed and described in applications for Letters Patent in the United States ("U.S.") filed on the filing date indicated above in the United States Patent and Trademark Office ("USPTO") and identified by the title, application number, and/or attorney docket number indicated above (the "Application"); and

WHEREAS, Assignee, a limited liability company, organized and existing under the laws of the State indicated above, and having its principal place of business at the address indicated above, desires to acquire the entire right, title, and interest of Assignor in and to the Invention, the Application, and in, to, and under any and all Letters Patent to be obtained therefor;

Assignors' Initials

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NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, and transferred and does hereby sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the Invention, the Application, and all related applications including all nonprovisional, divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications that claim priority thereto; all international, regional, and foreign applications that claim priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the Invention under any international conventions (collectively "the Patent Rights"); and

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the Application and otherwise take advantage of the provisions of any international conventions; and

Assignor hereby authorizes and requests transfer of the Application and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith and further authorizes and requests any official of any State whose duty consists of issuing patents or other evidence or forms of any industrial property protection issuing from the Application and all related applications, to issue same to the Assignee, its successors, and assigns in accordance herewith; and

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Application once known; and

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights; and

Assignor further covenants and agrees that this Assignment is effective as of 11 July 2008.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

Assignors' Initials

\_\_\_\_\_/\_\_\_\_\_

STATE OF COLORADO )  
CITY OF DENVER ) ss.  
COUNTY OF DENVER

SEAL



By:

Richard M. Powers  
Richard M. Powers

Dated:

13 Mar 2009

Before me, a Notary Public in and for said County and State, personally appeared Richard M. Powers, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13<sup>th</sup> day of MARCH, 2009.

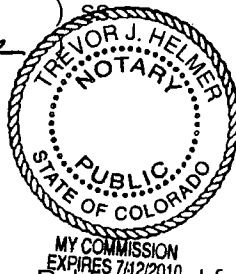
[Signature]  
Notary Public

My Commission Expires:

07/12/2010

STATE OF COLORADO )  
CITY OF DENVER ) ss.  
COUNTY OF DENVER

SEAL



By:

Wil McCarthy  
Wil McCarthy

Dated:

13 March 2009

Before me, a Notary Public in and for said County and State, personally appeared Wil McCarthy, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13<sup>th</sup> day of MARCH, 2009.

[Signature]  
Notary Public

My Commission Expires:

07/12/2010

Assignors' Initials

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The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.


IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date set forth below.


ASSIGNEE: RavenBrick LLC

Dated: 3/12/09   
(signature)

Place: Delaware By: Alex Burner  
(printed name of authorized agent of assignee)

Its: CEO  
(title)

  
(Witness #1: signature)

  
(Witness #2: signature)

Cole Woodward  
(Witness #1: printed name)

Ryan Rowland  
(Witness #2: printed name)

Assignors' Initials

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