PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3832611

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| HOANG T. PHAM | 09/25/2015 |
| KEVIN L. NICHOLS | 09/17/2015 |
| BRETT M. BIRCHMEIER | 09/17/2015 |
| ANDREW T. GRAHAM | 09/22/2015 |
| MARK A. BARGER | 09/16/2015 |

RECEIVING PARTY DATA

| Name: | EOVATIONS, LLC |
|-----------------|---------------------------|
| Street Address: | 2801 E. BELTLINE AVE., NE |
| City: | GRAND RAPIDS |
| State/Country: | MICHIGAN |
| Postal Code: | 49525 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15098067 |

CORRESPONDENCE DATA

Fax Number: (616)742-1010

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.

Phone: 6167423500

Email: patents@mcgarrybair.com

Correspondent Name: MCGARRY BAIR PC Address Line 1: 32 MARKET AVE. SW

Address Line 2: SUITE 500

Address Line 4: GRAND RAPIDS, MICHIGAN 49503

| ATTORNEY DOCKET NUMBER: | 72225-0115 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | G. THOMAS WILLIAMS |
| SIGNATURE: | /G Thomas Williams/ |
| DATE SIGNED: | 04/15/2016 |
| | |

Total Attachments: 5

PATENT REEL: 038294 FRAME: 0355

PATENT REEL: 038294 FRAME: 0356

| DECLARAT | TON AND ASSIGNMENT FOR | R PATENT A | AND DESIGN APPI | LICATIONS |
|--|--|---------------------------------------|-----------------------------------|--|
| TITLE OF INVENTION: | SOLID STATE DRAWING LA | MINATED P | OLYMER BILLETS | , |
| As a below named inventor | or, I hereby declare that: | | | |
| This declaration is directed | d to: | | | |
| the attached applie | cation | | | |
| or United States App | lication Number or PCT Internation | onal Applicat | tion Number | filed on . |
| The above identified appli | cation was made or authorized to | be made by n | ne. | * |
| I believe that I am the orig | inal inventor or an original joint i | nventor of a c | claimed invention in t | the application. |
| I acknowledge that any wi imprisonment of not more | Ilful false statement made in this of than five (5) years, or both. | declaration is | punishable under 18 | U.S.C. 1001 by fine or |
| In consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt and adequacy of which I hereby acknowledge, I hereby sell, assign, and transfer unto, Eovations, LLC, a corporation of the State of Michigan, having its principal office and place of business in the City of Grand Rapids, County of Kent County, State of Michigan, (hereinafter "Assignee"), its successors and assigns, my entire right, title, and interest in, to, and under the above identified application and the inventions disclosed therein, any Patents of the United States of America that may be obtained in respect thereof; any corresponding applications for Patent and Patents issuing therefor in all other areas of the world; and any reissues, extensions, substitutions, confirmations, divisions, and continuations of any of the foregoing (hereinafter "Invention Rights"), to have and to hold for the sole and exclusive use and benefit of Assignee, its successors and assigns forever. I hereby covenant and agree to assist and cooperate with Assignee in the preparation and prosecution of any applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the | | | | |
| purpose of implementing the terms of this Assignment. | | | | |
| Given Name (first and mid | dle [if any]) | · · · · · · · · · · · · · · · · · · · | ne or Surname | |
| Hoang T. | Mar | Pham | | |
| | Inventor's Signature W Dated Sylymber 27, 2015 On this 35 day of September 2015, personally appeared before me the above-named Hoang T. Pham, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument. | | | |
| Mecheller Me Notary Public Michelle My commission expires: N | Rinda Melrind County, Laire Darch 20, 2016 | | Notary Public My Commission Ex | R. MEKINDA c, State of Ohio pires March 20, 2016 n Lake County) |

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

Page 1 of 1

PATENT REEL: 038294 FRAME: 0357

| | ** · · · · · · · · · · · · · · · · · · | | | |
|---|--|---|---|--|
| DECLARAT | TION AND ASSIGNMENT FOI | R PATENT AND DESI | GN APPLICATIONS | |
| TITLE OF INVENTION: | SOLID STATE DRAWING LA | MINATED POLYMER | BILLETS | |
| As a below named inventor | or, I hereby declare that: | | | |
| This declaration is directe | d to: | | | |
| the attached applie or | | | | |
| United States App | olication Number or PCT Internation | onal Application Numbe | er filed on . | |
| The above identified appli | cation was made or authorized to | be made by me. | | |
| I believe that I am the orig | ginal inventor or an original joint | nventor of a claimed inv | ention in the application. | |
| | illful false statement made in this than five (5) years, or both. | declaration is punishable | under 18 U.S.C. 1001 by fine or | |
| of the State of Michigan, It County, State of Michigan to, and under the above ide America that may be obtain therefor in all other areas of continuations of any of the use and benefit of Assigne | nereby acknowledge, I hereby sell, naving its principal office and place, (hereinafter "Assignee"), its succentified application and the inventioned in respect thereof; any correspond the world; and any reissues, extended for the world; and the worl | ce of business in the City cessors and assigns, my extions disclosed therein; a ponding applications for tensions, substitutions, con Rights"), to have and to ver. | of Grand Rapids, County of Kent entire right, title, and interest in, my Patents of the United States of Patent and Patents issuing onfirmations, divisions, and o hold for the sole and exclusive | |
| applications included with other proceeding that may further to execute and deli | in the Invention Rights and in the | prosecution or defense of ications or Patent include | of any interference, opposition, or ed within the Invention Rights and | |
| Given Name (first and mic | Idle (if anyl) | Family Name or Surna | me | |
| Kevin L. | | Nichols | | |
| Inventor's Signature | Her Khly | Dated 9-1 | 7-15 | |
| On this | | | | |

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

REEL: 038294 FRAME: 0358

| DECLARA | TION AND ASSIGNMENT FOR | R PATENT AND DESIGN APPLICATIONS |
|--|--|---|
| TITLE OF INVENTION: | SOLID STATE DRAWING LAI | MINATED POLYMER BILLETS |
| As a below named inver | tor. I hereby declare that: | |
| This declaration is direc | ted to: | |
| the attached app | lication | |
| United States A | pplication Number or PCT Internation | onal Application Number filed on . |
| The above identified app | olication was made or authorized to | be made by me. |
| I believe that I am the or | riginal inventor or an original joint in | nventor of a claimed invention in the application. |
| | willful false statement made in this or than five (5) years, or both. | declaration is punishable under 18 U.S.C. 1001 by fine or |
| and adequacy of which of the State of Michigan County. State of Michigan to, and under the above America that may be obtinerefor in all other area continuations of any of use and benefit of Assign I hereby covenant and a applications included wother proceeding that me further to execute and design in the state of th | hereby acknowledge, I hereby sell, having its principal office and place an, (hereinafter "Assignee"), its succeidentified application and the inventitation and the inventitation of the world; and any reissues, extended the world; and any self-world; and in the world; and wo | r valuable and legally sufficient consideration, the receipt assign, and transfer unto, Eovations, LLC, a corporation be of business in the City of Grand Rapids, County of Kent cessors and assigns, my entire right, title, and interest in, tions disclosed therein; any Patents of the United States of ponding applications for Patent and Patents issuing tensions, substitutions, confirmations, divisions, and a Rights"), to have and to hold for the sole and exclusive ter. signee in the preparation and prosecution of any prosecution or defense of any interference, opposition, or ications or Patent included within the Invention Rights and onal papers that may be requested by Assignee for the |
| Given Name (first and m | niddle [if any]) | Family Name or Surname |
| Brett M. | P.P. | Birchmeier |
| Inventor's Signature | Soul Knelos | Dated 17 Sept 15 |
| me known and known to me same to be his free act and control of the same to be a | e to be the person described in and who deed in and for the purposes set forth in a continuate of the continuate of the purposes set forth in a continuate of the contin | LEANNE J JANKOWIAK Notary Public - Michigan Saginaw County My Commission Expires Aug 3, 2019 Acting in the County of |
| My commission expires: | | ming the entire inventive entity, must accompany this |
| | O/AIA/01 form for each additional involved | |

PATENT REEL: 038294 FRAME: 0359

Page 1 of 1

| DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS | | | |
|---|--|--|--|
| TITLE OF INVENTION: | SOLID STATE DRAWING LA | MINATED P | POLYMER BILLETS |
| As a below named inventor | or, I hereby declare that: | | |
| This declaration is directe | d to: | | |
| the attached appli | cation | | |
| or United States App | olication Number or PCT Internati | onal Applicat | tion Number filed on . |
| The above identified appl | ication was made or authorized to | be made by m | ne. |
| I believe that I am the orig | ginal inventor or an original joint i | nventor of a c | claimed invention in the application. |
| | illful false statement made in this than five (5) years, or both. | declaration is | punishable under 18 U.S.C. 1001 by fine or |
| and adequacy of which I hof the State of Michigan, I County, State of Michigan to, and under the above id America that may be obtatherefor in all other areas continuations of any of the use and benefit of Assigned I hereby covenant and agree | nereby acknowledge, I hereby sell, naving its principal office and place, (hereinafter "Assignee"), its succentified application and the inventined in respect thereof; any correst of the world; and any reissues, exter foregoing (hereinafter "Inventione, its successors and assigns forewer to assist and cooperate with As | , assign, and to be of business cessors and as tions disclosed ponding appli- tensions, substant Rights"), to be. | d legally sufficient consideration, the receipt transfer unto, Eovations, LLC, a corporation in the City of Grand Rapids, County of Kent ssigns, my entire right, title, and interest in, d therein; any Patents of the United States of ications for Patent and Patents issuing stitutions, confirmations, divisions, and have and to hold for the sole and exclusive preparation and prosecution of any or defense of any interference, opposition, or |
| applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the purpose of implementing the terms of this Assignment. | | | |
| Given Name (first and mid | ldle [if anv]) | Family Nam | ne or Surname |
| Andrew T | | Graham | |
| Inventor's Signature | Indrew Sporten | Dated | 9/22/15 |
| | otender, 2015, personally app to be the person described in and who ed in and for the purposes set forth in fandower | executed the fo | LEANNE J JANKOWIAK Notary Public - Michigan |
| Notary Public Suga | Man County, Mich | iges? | Saginaw County My Commission Expires Aug 3, 2019 Acting in the County of Bay |
| My commission expires: | 0 3- 6011 | B-Biland - Commission - Commiss | |

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

Page 1 of 1

| DECLARAT | FION AND ASSIGNMENT FO | OR PATENT AND DESIGN APPLICATIONS | - |
|--|---|---|-------------|
| TITLE OF INVENTION: | SOLID STATE DRAWING LA | LAMINATED POLYMER BILLETS | |
| As a below named invent | or, I hereby declare that: | | |
| This declaration is directe | ed to: | | |
| the attached appli | cation | | |
| or United States App | plication Number or PCT Internal | ational Application Number filed on . | |
| The above identified appl | ication was made or authorized to | to be made by me. | |
| I believe that I am the orig | ginal inventor or an original joint | it inventor of a claimed invention in the application. | |
| I acknowledge that any wi | | is declaration is punishable under 18 U.S.C. 1001 by fine or | ĩ |
| In consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt and adequacy of which I hereby acknowledge, I hereby sell, assign, and transfer unto, Eovations, LLC, a corporation of the State of Michigan, having its principal office and place of business in the City of Grand Rapids, County of Kent County, State of Michigan, (hereinafter "Assignee"), its successors and assigns, my entire right, title, and interest in, to, and under the above identified application and the inventions disclosed therein; any Patents of the United States of America that may be obtained in respect thereof; any corresponding applications for Patent and Patents issuing therefor in all other areas of the world; and any reissues, extensions, substitutions, confirmations, divisions, and continuations of any of the foregoing (hereinafter "Invention Rights"), to have and to hold for the sole and exclusive use and benefit of Assignee, its successors and assigns forever. I hereby covenant and agree to assist and cooperate with Assignee in the preparation and prosecution of any applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the purpose of implementing the terms of this Assignment. | | | |
| Given Name (first and mid | dle [if anvl) | Family Name or Surname | |
| Mark A. | α | Barger | |
| Inventor's Signature | 11/ac/ Doyun | Dated Sept 16, 2015 | |
| same to be his free act and dee Hard M. Rus Notary Public Hard My commission expires: M | d in and for the purposes set forth in Relum County, Mullan | KAREN M RESMER Notary Public - Michigan Midland County My Commission Expires May 26, 20 Acting in the County of Walland | |
| form. Use an additional PTO/A | D/SB/14 or equivalent), including nam AIA/01 form for each additional inve | aming the entire inventive entity, must accompany this ventor. | |

RECORDED: 04/15/2016

Page 1 of 1

REEL: 038294 FRAME: 0361