

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| KENNETH K. FLETCHER | 04/28/2015 |
| TODD EUGENE SPARKS | 04/28/2015 |
| RECEIVING PARTY DATA | |
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| State/Country: | MISSOURI |
| Postal Code: | 65559 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14643812 |
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| SIGNATURE: | /Don V. Kelly/ |
| DATE SIGNED: | 05/07/2015 |
| Total Attachments: 5 | |
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Invention and Patent Rights Assignment Agreement

This Invention and Patent Rights Assignment Agreement ("Agreement") is entered into by and among the following parties:

A. Product Innovation and Engineering L.L.C., a Missouri limited liability company of St. James Industrial Park, 6 Wilson Drive, Rolla, Missouri 65559 (USA) (referred to herein as "**Assignee**"); and

B. the following persons (who are referred to herein individually as an "**Assignor**" and collectively as "**Assignors**");

1. Kenneth K. Fletcher, a United States citizen residing in Rolla, Missouri (USA) ("**Assignor**"); and

2. Todd Eugene Sparks, a United States citizen residing in Rolla, Missouri (USA) ("**Assignor**").

WHEREAS, **Assignors** claim to be the inventors of an invention entitled ADDITIVE LAYERING METHOD USING IMPROVED BUILD DESCRIPTION (the "**Invention**") for which an application (the "**Application**") was filed in the United States Patent and Trademark Office ("USPTO") on March 10, 2015 and issued USPTO Application No. 14/643,812.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all such consideration being hereby acknowledged, each **Assignor** hereby assigns to **Assignee**, and confirms any prior assignments or obligations to assign to **Assignee**, and its successors in interest, his or her full and exclusive right, title and interest in and to the Invention and Application. The foregoing assignment and confirmation of assignment effects or confirms the assignment of all right, title and interest in and to the Invention and Application in the United States of America and throughout the world, including the right to claim priority under the laws of the United States of America, of the Paris Convention and of any foreign countries to the Invention, any improvements to the Invention and to the Application, together with any continuations, continuations-in-part or divisionals thereof, and any patents issuing thereon and all reissues, reexaminations or extensions thereof, and all foreign applications and patents claiming priority thereto, including the right to sue for and to recover for past infringements of or liabilities for any of the rights relating to any of the applications or patents resulting there from, as fully and entirely as the same would have been held and enjoyed by each **Assignor**, if this assignment had not been made.

Each **Assignor** hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign Letters Patent arising from or related to the Application, Invention, improvements to the Invention or resulting from any of the aforesaid applications to **Assignee**, as assignee of the entire right, title and interest in and to the same.

For purposes of more specifically identifying the Application, each **Assignor** hereby authorizes and requests **Assignee** or its representatives to insert the date of filing and application number received from the United States Patent & Trademark Office for the Application in the space reserved above for such number (if such information is not already printed above at the time of his or her execution of this document).

Each **Assignor** hereby represents, warrants and covenants that he or she has the full right to convey the entire interest herein assigned, that he or she has not executed and will not execute any instrument or assignment in conflict herewith, including any assignment or license (excepting only prior assignments to **Assignee**) and that the rights assigned herein are not otherwise encumbered by any sale, assignment, grant or conveyance (excepting only prior assignments to **Assignee**).

Each **Assignor** further covenants and agrees that he or she will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, powers of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of **Assignee**, its counsel, successors or assigns, may in any country be required or necessary to more effectively secure to and vest in the **Assignee**, its successors or assigns the Patent Rights hereby assigned, transferred and conveyed, and that he or she will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of Letters Patent for the Application, Invention or improvements thereon.

Each **Assignor** agrees to execute all papers and documents and to perform any act that may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

Each **Assignor** further covenants and agrees that he or she will at any time upon request, communicate to the **Assignee**, its successors, assigns or legal representatives any facts relating to the Application or Invention known to them, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

Any third-party is hereby authorized to accept and to treat a copy of this instrument as the original.

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