

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8120114

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ZHI-JIE LIU	08/05/2023
RECEIVING PARTY DATA		
Name:	PLY GEM INDUSTRIES, INC.	
Street Address:	5020 WESTON PARKWAY	
City:	CARY	
State/Country:	NORTH CAROLINA	
Postal Code:	27513	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	17133721	
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ATTORNEY DOCKET NUMBER:	712085	
NAME OF SUBMITTER:	TAMMY DUNKIN	
SIGNATURE:	/Tammy Dunkin/	
DATE SIGNED:	08/17/2023	
Total Attachments: 3		
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ASSIGNMENT

I, **Zhi-Jie Liu** of Fort Wayne, Indiana, (“Co-Inventor”); have invented certain new and useful **POLYMER COMPOSITE BUILDING PRODUCT AND METHOD OF FABRICATION** for which we have filed U.S. Application No. 17/133,721, on December 24, 2020; and

Ply Gem Industries, Inc., a corporation having its principal place of business at 5020 Weston Parkway, Suite 400, Cary, NC 27513 (“Company”), is desirous of acquiring all rights, title, and interests in and to Co-Inventor’s invention, all patent applications for the invention, and all patents which may be granted for or upon the invention and applications in the United States of America and anywhere in the world.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Co-Inventor irrevocably assign and transfers to Company the full and exclusive right, title, and interest, throughout the world, in and to the following:

- (a) the invention as set forth and described, for example, in the patent application specification(s) accompanying Inventors’ executed declaration;
- (b) all United States patent applications for the invention;
- (c) any and all refilings, divisions, continuations, and continuations-in-part of those United States patent applications;
- (d) any and all patents of the United States of America which may issue from any of the above items;
- (e) any and all reissue and reexamination certificates of those United States patents;
- (f) any and all applications for the invention filed in any and all countries foreign to the United States of America;
- (g) any and all refilings, divisions, and continuations of those foreign-filed applications;
- (h) any and all patents, certificates, and registrations of countries foreign to the United States of America which may issue from those foreign-filed applications, refilings, divisions, and continuations;
- (i) any and all extensions of, and additions to, the foreign-filed applications and patents, certificates, and registrations related thereto; and
- (j) any and all claims, causes of action, and damages for past, present, and future infringement or other unauthorized use of the above items, along with the right to sue for and to collect damages and other relief.

Co-Inventor further agrees that upon request Co-Inventor will promptly provide Company or its legal representatives all pertinent facts and documents relating to the invention and all other items listed above, and Inventors will testify as to the same in any interference, litigation, or proceeding related thereto. Further, Co-Inventor will promptly execute and deliver to Company or its legal representatives any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, and enforce all of the items listed above.

All of the above shall be held and enjoyed by Company and its successors, legal representatives, and assigns for their own use and benefit, for the full term for which the protections listed above may be granted, and Co-Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue patents to Company in accordance with this Assignment.

This Agreement does not create any agency, employment, or partnership relationship between the parties. Unless set forth in a separate writing signed by Company, Co-Inventor have no right or interest in any proceeds related in any way to the items listed above.

This Agreement is an integrated agreement that contains the entire understanding between the Parties regarding the matters addressed herein and may not be amended, extended or otherwise modified except by written agreement of the parties. This Agreement shall prevail over all prior communications between and among the parties or their representatives regarding the matters addressed herein.

The parties expressly agree that this Agreement shall not be construed against any party on the ground that such party was responsible for the preparation of this Agreement, or on any related ground. All terms contained herein shall be construed as singular, plural, masculine, feminine, or neuter, as context requires.

Should any provision of this Agreement be determined to be void, unenforceable, or against public policy, such provision may be altered in time or scope in order to give effect to such provision. If such alteration is not possible, such provision shall be deemed severed from this Agreement and the balance of this Agreement shall remain in full force and effect, so long as the original intent of this Agreement remains substantially intact.

Docket: 712085

IN WITNESS WHEREOF, this Agreement is executed on the date(s) set forth below.

Co-Inventor:

08/05/2023

Date:



Zhi-Jie Liu