

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Bhaskar Bariar	08/22/2013
RECEIVING PARTY DATA	
Name:	Penn Aluminum International LLC
Street Address:	1117 North Second Street
City:	Murphysboro
State/Country:	ILLINOIS
Postal Code:	62966
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	29465107
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ATTORNEY DOCKET NUMBER:	973165-125421
NAME OF SUBMITTER:	Clyde L. Smith
Signature:	/clyde l. smith/
Date:	08/23/2013
Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif	

CH \$40.00 29465107

ASSIGNMENT

WHEREAS, I, Bhaskar Bariar, of 410 West Freeman Street, #2, Carbondale, IL 62901, have invented certain new and useful improvements for an End-Fitting of a Concentric-Tube Heat Exchanger Design for which I have this same day executed an application for Letters Patent in the United States identifying me as the sole inventor thereof (said application being identified as Thompson Coburn LLP, Docket 973165-125421); and

WHEREAS, Penn Aluminum International LLC, a Limited Liability Company of the State of Delaware having its principal office and place of business at 1117 North Second Street, Murphysboro, IL 62966, is desirous of acquiring the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, I, Bhaskar Bariar, do hereby assign and transfer unto said Penn Aluminum International LLC, its successors or assigns, the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by me concurrently herewith preparatory to filing for Letters Patent, in and to said application, and in and to any and all Letters Patent and applications filed therefor, including provisionals, non-provisionals, divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries, including all priority rights and all rights to claim priority; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Penn Aluminum International LLC in accordance with this Assignment.

The undersigned hereby authorizes and requests the attorneys of record in said application(s) to insert in this Assignment the serial number, filing date, and date of execution of said application(s).

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said Assignee, to execute any provisional, non-provisional, divisional, continuation, continuation-in-part or

substitute application for said invention or improvements, and any oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application(s), and, in the event of any application or Letters Patent assigned herein becoming involved in an interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said Assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said Assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

And for said consideration, the undersigned hereby assigns to said Assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights, and agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign Letters Patent therefor.

IN WITNESS WHEREOF, I have hereunto set my hand the 22<sup>nd</sup> day of August, 2013.

Bhaskar Bariar  
Bhaskar Bariar

STATE OF ILLINOIS  
COUNTY OF JACKSON

On this 22<sup>nd</sup> day of AUGUST, 2013 before me, a Notary Public, within and for the County of JACKSON, State of ILLINOIS, personally appeared Bhaskar Bariar, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Debra Tegethoff  
Notary Public

My Commission Expires: 9-28-2016

