

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3024647

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN STANAVICH	09/12/2014
WILLIAM ADAMS	09/12/2014
DANIEL ALEXANDER	09/12/2014
MICHAEL GOLIN	09/12/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TENNECO AUTOMOTIVE OPERATING COMPANY INC.
<b>Street Address:</b>	500 NORTH FIELD DRIVE
<b>City:</b>	LAKE FOREST
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60045
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14486171
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>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.</i>	
<b>Phone:</b>	(248) 641-1600
<b>Email:</b>	jschaub@hdp.com
<b>Correspondent Name:</b>	HARNES, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	2001U-001743-US-CPC
<b>NAME OF SUBMITTER:</b>	JIMMY SCHAUB
<b>SIGNATURE:</b>	/Jimmy Schaub/
<b>DATE SIGNED:</b>	09/16/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 2</b>	
source=signed_declaration_assignment#page1.tif	
source=signed_declaration_assignment#page2.tif	

**DECLARATION AND ASSIGNMENT<sup>1</sup>**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

**VERTICAL ULTRASONIC DECOMPOSITION PIPE**

As a below named inventor, I hereby declare that:

This declaration is directed to (check one):

- The attached application, or
- United States application or PCT international application number filed on .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

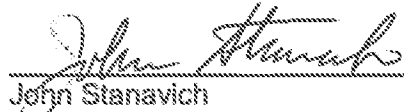
I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

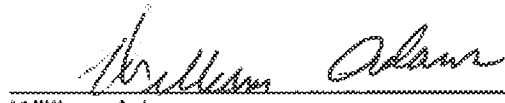
For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to Tenneco Automotive Operating Company Inc., 500 North Field Drive, Lake Forest, IL 60045 (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified application, to the above-identified application itself, and all divisions,


<sup>1</sup> This form requires an ADS if one has not yet been filed.

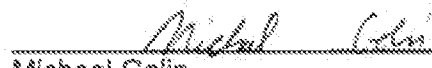
DECLARATION AND ASSIGNMENT

order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

  
John Stanavich  
9-12-14  
Dated

  
William Adams  
9/12/14  
Dated

  
Daniel Alexander  
9/12/2014  
Dated

  
Michael Golin  
9-12-14  
Dated  
18885097.1