

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chris Kleinfeld</td> <td>09/23/2009</td> </tr> <tr> <td>Isidro Hernandez</td> <td>09/24/2009</td> </tr> <tr> <td>Shi Zheng</td> <td>09/24/2009</td> </tr> <tr> <td>Rick Veneziano</td> <td>09/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Chris Kleinfeld	09/23/2009	Isidro Hernandez	09/24/2009	Shi Zheng	09/24/2009	Rick Veneziano	09/24/2009
Name	Execution Date										
Chris Kleinfeld	09/23/2009										
Isidro Hernandez	09/24/2009										
Shi Zheng	09/24/2009										
Rick Veneziano	09/24/2009										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Tenneco Automotive Operating Company Inc.</td> </tr> <tr> <td>Street Address:</td> <td>500 North Field Drive</td> </tr> <tr> <td>City:</td> <td>Lake Forest</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60045</td> </tr> </table>		Name:	Tenneco Automotive Operating Company Inc.	Street Address:	500 North Field Drive	City:	Lake Forest	State/Country:	ILLINOIS	Postal Code:	60045
Name:	Tenneco Automotive Operating Company Inc.										
Street Address:	500 North Field Drive										
City:	Lake Forest										
State/Country:	ILLINOIS										
Postal Code:	60045										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12567311</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12567311						
Property Type	Number										
Application Number:	12567311										
CORRESPONDENCE DATA											
<p>Fax Number: (312)876-2020</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312/876-2106</p> <p>Email: ksanderson@woodphillips.com</p> <p>Correspondent Name: Jeffery N. Fairchild</p> <p>Address Line 1: 500 West Madison Street</p> <p>Address Line 2: Suite 3800</p> <p>Address Line 4: Chicago, ILLINOIS 60661</p>											
ATTORNEY DOCKET NUMBER:	TEN10442P00150US										
NAME OF SUBMITTER:	Jeffery N. Fairchild										
Total Attachments: 5											

OP \$40.00 12567311

500972741

PATENT
REEL: 023286 FRAME: 0567

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif

Assignment

Serial No.: 12/567,311

Filed: September 25, 2009

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in **COMBINED EXHAUST GAS AFTERTREATMENT/AIR CLEANER DUST AND EJECTOR UNIT** and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to **Tenneco Automotive Operating Company Inc., a Delaware** corporation, having offices at **500 North Field Drive, Lake Forest, IL 60045**, and the successors, legal representatives and assigns of **Tenneco Automotive Operating Company Inc.** (hereinafter collectively called said Assignee), and the Commissioner for Patents is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony.

Serial No.: 12/567,311

Filed: September 25, 2009

The attorneys of record in such application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

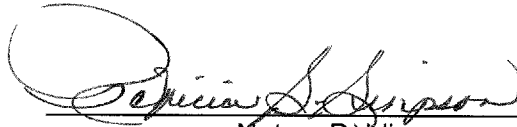


Chris Kleinfeld

Executed this 23 day of SEPTEMBER, 2009.

State of MICHIGAN)
County of JACKSON) ss.

On SEPTEMBER 23, 2009, Chris Kleinfeld appeared before me, a Notary Public, in and for the State and County aforesaid, and acknowledged that he/she freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.



(SEAL)

Notary Public

My Commission Expires: March 28, 2011

PATRICIA S. SIMPSON
NOTARY PUBLIC, Jackson County, MI
My Commission Expires Mar. 28, 2011
Acting in Jackson County

Serial No.: 12/567,311

Filed: September 25, 2009

* * * * *

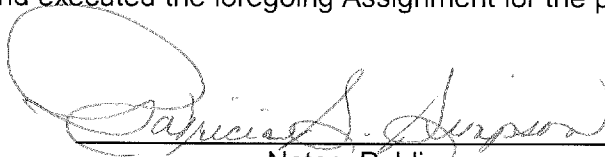


Isidro Hernandez

Executed this 24th day of SEPTEMBER, 2009.

State of MICHIGAN)
County of JACKSON) ss.

On SEPTEMBER 24, 2009, Isidro Hernandez appeared before me, a Notary Public, in and for the State and County aforesaid, and acknowledged that he/she freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.



(SEAL)

Notary Public

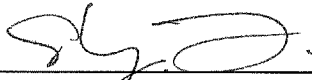
My Commission Expires: March 28, 2011

* * * * *

PATRICIA S. SIMPSON
NOTARY PUBLIC, Jackson County, MI
My Commission Expires Mar. 28, 2011
Acting in Jackson County

Serial No.: 12/567,311

Filed: September 25, 2009



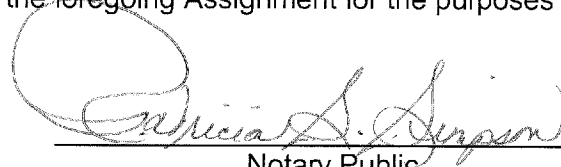
Shi Zheng

Executed this 24th day of September, 2009.

State of MICHIGAN)
County of Jackson) ss.

On SEPTEMBER 24, 2009, Shi Zheng appeared before me, a Notary Public, in and for the State and County aforesaid, and acknowledged that he/she freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)



Notary Public

My Commission Expires: March 28, 2011

* * * * *

PATRICIA S. SIMPSON
NOTARY PUBLIC, Jackson County, MI
My Commission Expires Mar. 28, 2011
Acting in Jackson County

Serial No.: 12/567,311

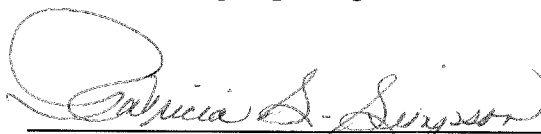
Filed: September 25, 2009


Rick Veneziano

Executed this 24 day of September, 2009.

State of MICHIGAN)
County of JACKSON) ss.

On SEPTEMBER 24, 2009, Rick Veneziano appeared before me, a Notary Public, in and for the State and County aforesaid, and acknowledged that he/she freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.



(SEAL)

Notary Public

My Commission Expires: March 28, 2011

PATRICIA S. SIMPSON
NOTARY PUBLIC, Jackson County, MI
My Commission Expires Mar. 28, 2011
Acting in Jackson County