

09-17-2008

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To the Director of the U.S. Patent and T.
address(es) below.

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shed document(s) or the new

9-16-08

1. Name of conveying party(ies) and execution date:

	Execution Date
Gabriel Salanta	June 12, 2008
Guanya Zheng	June 10, 2008
Daniel Salanta	June 10, 2008

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: Tenneco Automotive Operating Company Inc.
 Street Address: 500 North Field Drive
 City: Lake Forest
 State: Illinois
 Zip: 60045

Additional name(s) address(es) attached? Yes No.

3. Nature of conveyance:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Executive Order 9424, Confirmatory License |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Joint Research Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Government Interest Assignment | <input type="checkbox"/> Other: _____ |

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application Number(s):

12/215,271

B. Patent Number(s):

Additional numbers attached: Yes No

SEP 16 10 15 AM '08
OPR/PTM/100

5. Name and address of party to whom correspondence concerning document should be mailed:

Wood, Phillips, Katz, Clark & Mortimer
 Citigroup Center, Suite 3800
 500 West Madison Street
 Chicago, Illinois 60661
 Phone: (312) 876-1800

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to Deposit Account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
Deposit Account Number: 23-0785

9. SIGNATURE

Karen A. Sanderson
Name of Person Signing

09/16/2008 DBYRNE 00000100 12215271
 01 FC:0021
Karen A. Sanderson
 Signature

September 12, 2008
Date

Total number of pages including cover sheet, attachment, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

TEN10442P0040US

PATENT
REEL: 021544 FRAME: 0620

Assignment

Serial No.: 12/215,271

Filed: June 26, 2008

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 **Exhaust Gas Additive/Treatment System and Mixer for Use Therein** 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.

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.

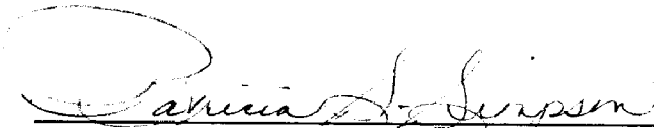


Gabriel SALANTA

Executed this 12 day of June, 2008.

State of MICHIGAN)
County of JACKSON) ss.

On June 12, 2008, Gabriel SALANTA 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.



Notary Public

(SEAL)

My Commission Expires: 03/28/2011

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

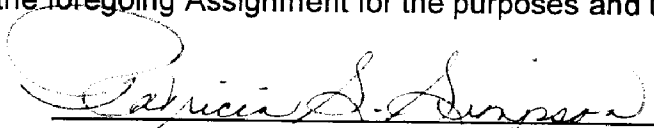


Guanyu ZHENG

Executed this 10th day of June, 2008.

State of MICHIGAN)
County of JACKSON) ss.

On June 12, 2008, Guanyu 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: 03/28/2011

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

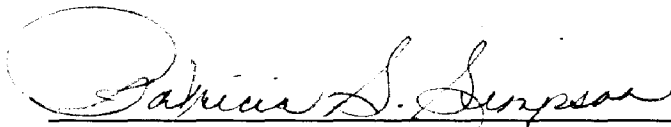


Daniel SALANTA

Executed this 12th day of June, 2008.

State of MICHIGAN)
County of JACKSON) ss.

On June 12, 2008, Daniel SALANTA 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.



Notary Public

(SEAL)

My Commission Expires: 03/28/2008

* * * * *

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