PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3147514

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	CORRECTIVE BY DECLARATION TO CORRECT ASSIGNMENT RECORDED AT REEL 019378 FRAME 0744
RESUBMIT DOCUMENT ID:	503073709

CONVEYING PARTY DATA

Name	Execution Date
NEC CORPORATION	11/21/2014

RECEIVING PARTY DATA

Name:	NEC CORPORATION
Street Address:	7-1, SHIBA 5-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7692287

CORRESPONDENCE DATA

Fax Number: (202)293-7860

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.

Phone: 202 293 7060
Email: hsammane@sughrue.com
Correspondent Name: SUGHRUE MION, PLLC
Address Line 1: 2100 PENNSYLVANIA AVENUE NW
Address Line 2: SUITE 800
Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	051312
NAME OF SUBMITTER:	HAFIDA SAMMANE, LEGAL ASSISTANT
SIGNATURE:	/Hafida Sammane/
DATE SIGNED:	12/15/2014

Total Attachments: 55
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Masamoto Tago

Docket No: 051312

Patent No.: 7,692,287
Appln. No.: 11/569,402

Group Art Unit: 2811

Confirmation No.: 7823

Examiner: PAREKH, NITIN

Filed: November 20, 2006
Issued: April 6, 2010

For: SEMICONDUCTOR DEVICE AND WIRING BOARD

DECLARATION RE CORRECTIVE ASSIGNMENT

Mail Stop Assignment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Shigeki Wada, hereby declare and state the following.

1. THAT I am a citizen of Japan.

2. THAT I have am presently employed by NEC Corporation, where I hold the position of Department Manager, Development and Promotion Department, Intellectual Property Management Division. I am responsible for the administration of NEC Corporation's intellectual property assets, including U.S. patents assigned to NEC Corporation.

3. THAT United States Patent No. 7,692,287 ("the '287 Patent"), entitled "SEMICONDUCTOR DEVICE AND WIRING BOARD," issued on April 6, 2010, from U.S. Application No. 11/569,402 filed on November 20, 2006, which is a 371 of International Application No. PCT/JP2005/009062, to inventor Masamoto Tago. Exhibit 1, cover page of the '287 Patent.

4. THAT NEC Corporation is the correct owner of the '287 Patent, by virtue of an assignment, of "SEMICONDUCTOR DEVICE AND WIRING BOARD," by the sole inventor of the '287 Patent, Masamoto Tago, to NEC Corporation, executed on November 6, 2006, hereinafter referred to as the "Assignment." Exhibit 2, copy of the Assignment.

5. THAT The Assignment was promptly submitted for recordation via the Electronic Patent Assignment System EPAS on November 22, 2006. Exhibit 3, copy of EPAS fax received from USPTO.

6. THAT The Assignment was recorded by the USPTO at Reel/Frame 018546/0468 on November 22, 2006. Exhibit 4, Patent Assignment Abstract of Title.

7. THAT In the Patent Assignment Abstract of Title for the '287 patent, a document, indicated as "Assignment 2" in Exhibit 4 was recorded against the '287 Patent at Reel/Frame 019378/0744, on May 25, 2007. Exhibit 4.

8. THAT A copy of the "Assignment 2" document recorded at Reel/Frame 019378/0744 is attached at Exhibit 5.

9. THAT On the page of Exhibit 5 indicated as being recorded at frame 0745, the document purports to be an assignment from Arvin Technologies, Inc. to ET US HOLDINGS LLC, and on the page of Exhibit 5 indicated as being recorded at frame 0751 (upon which I have caused there to be placed an arrow) there is a particular line in which this document mentions application 11/569,402 drawn to "Three Layer Manifold."

10. THAT The purported assignment of Exhibit 5 with respect to 11/569,402 was ineffective because no rights in 11/569,402 were ever conveyed from NEC Corporation to any other party including ARVIN TECHNOLOGIES, INC.

11. THAT The PTO assignment records show, in Exhibit 4, that a document, indicated as "Assignment 3" on the Patent Assignment Abstract of Title, between ET HOLDINGS LLC and THE CIT GROUP/BUSINESS CREDIT, INC., was recorded against the '287 Patent at Reel/Frame 019353/0736, on May 31, 2007.

12. THAT A copy of this "Assignment 3" is attached as Exhibit 6.

13. THAT On the page of Exhibit 6 indicated as being recorded at frame 0741, the document purports to be an assignment from ET US Holdings LLC to The CIT Group/Business Credit, Inc., and on the page of Exhibit 6 indicated as being recorded at frame 0750 (upon which I have caused there to be placed an arrow) there is a particular line in which this document mentions application 11/569,402 drawn to "Three Layer Manifold."

14. THAT The purported assignment of Exhibit 6 with respect to 11/569,402 was ineffective because ET US Holdings LLC had no rights in 11/569,402 to convey to The CIT Group/Business Credit, Inc.

15. THAT the PTO assignment records show, in Exhibit 4, that a document, indicated as "Assignment 4" on the Patent Assignment Abstract of Title, between THE CIT GROUP/BUSINESS CREDIT, INC. and EMCON TECHNOLOGIES LLC (formerly known as ET US HOLDINGS LLC), was recorded against the '287 Patent at Reel/Frame 023957/0741, on February 19, 2010.

16. THAT A copy of this "Assignment 4" is attached as Exhibit 7.

17. THAT On the page of Exhibit 7 indicated as being recorded at frame 0746, the document purports to be a Release of Security Interest by The CIT Group/Business Credit, Inc., in favor of ET US Holdings LLC, and on the page of Exhibit 7 indicated as being recorded at frame 0758 (upon which I have caused there to be placed an arrow) there is a particular line in which this document mentions application 11/569,402 drawn to "Three Layer Manifold US."

18. THAT The purported assignment of Exhibit 7 with respect to 11/569,402 was ineffective because The CIT Group/Business Credit, Inc. had no security interest in 11/569,402 to release.

19. THAT a summary of the true chain of title for the '287 Patent is:

From inventor: Masamoto Tago — To: NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, JAPAN

as conveyed by the document at Exhibit 2, as recorded by the submission at Exhibit 3, and as reflected in Exhibit 4 as "Assignment 1", namely, Reel: 018546, Frame: 0468.

20. THAT NEC Corporation, has been, and continues to be, the true owner of U.S. Patent No. 7,692,287.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: November 21, 2017

Shigeki Wada
Department Manager,
Development and Promotion Department,
Intellectual Property Management Division
NEC Corporation

Exhibit 1

US007692287B2

(12) **United States Patent**
Tago

(10) **Patent No.: US 7,692,287 B2**
(45) **Date of Patent: Apr. 6, 2010**

(54) **SEMICONDUCTOR DEVICE AND WIRING BOARD**

(75) Inventor: **Masamoto Tago**, Tokyo (JP)

(73) Assignee: **NEC Corporation**, Tokyo (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 755 days.

(21) Appl. No.: **11/569,402**

(22) PCT Filed: **May 18, 2005**

(86) PCT No.: **PCT/JP2005/009062**

§ 371 (c)(1),
(2), (4) Date: **Nov. 20, 2006**

(87) PCT Pub. No.: **WO2005/114729**

PCT Pub. Date: **Dec. 1, 2005**

(65) **Prior Publication Data**

US 2008/0237890 A1 Oct. 2, 2008

(30) **Foreign Application Priority Data**

May 21, 2004 (JP) 2004-152629

(51) **Int. Cl.**
H01L 23/053 (2006.01)
H01L 23/48 (2006.01)

(52) **U.S. Cl.** **257/701**; 257/778; 257/686; 257/703; 257/E23.145

(58) **Field of Classification Search** 257/701, 257/703, 778, 780, 686, E23.145
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,258,648	A *	11/1993	Lin	257/778
5,790,384	A *	8/1998	Ahmad et al.	361/760
5,814,894	A *	9/1998	Igarashi et al.	257/787
5,870,289	A *	2/1999	Tokuda et al.	361/779
6,175,160	B1 *	1/2001	Paniccia et al.	257/778
6,380,621	B1 *	4/2002	Ando et al.	257/707
6,472,735	B2 *	10/2002	Isaak	257/686
6,617,681	B1 *	9/2003	Bohr	257/700
6,900,534	B2 *	5/2005	Murtuza	257/707
7,045,886	B2 *	5/2006	Sawada	257/686
7,390,700	B2 *	6/2008	Gerber et al.	438/108
2004/0173891	A1 *	9/2004	Imai et al.	257/686

FOREIGN PATENT DOCUMENTS

JP	64-32662	A	2/1989
JP	3-105954	A	5/1991
JP	8-167630	A	6/1996
JP	8-330506	A	12/1996
JP	2001-7248	A	1/2001
JP	2001-196521	A	7/2001
JP	2003-309209	A	10/2003
WO	WO 96/09645	A1	3/1996

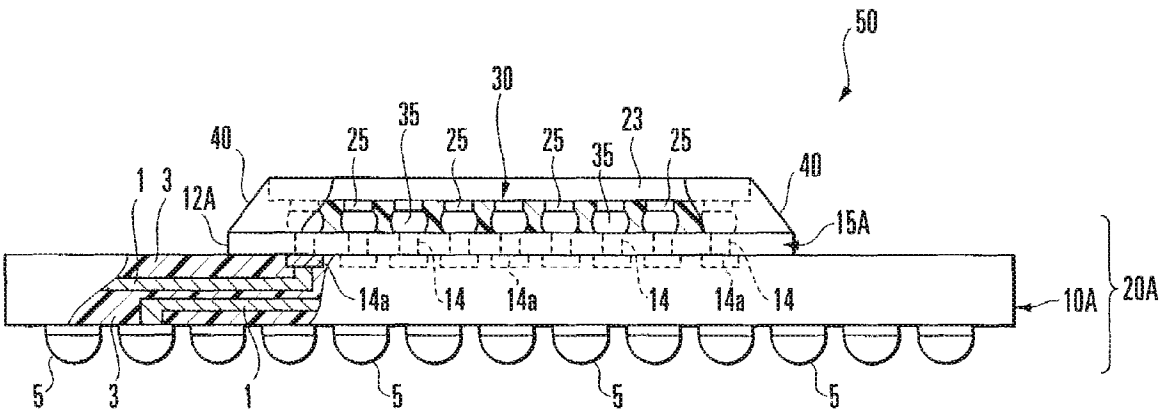
* cited by examiner

Primary Examiner—Nitin Parekh
(74) *Attorney, Agent, or Firm*—Sughrue Mion, PLLC

(57) **ABSTRACT**

A wiring board (**20**A) includes a first wiring portion (**10**A) having a plurality of wiring layers (**1**) and external connecting bumps (**5**), and at least one second wiring portion (**15**A) having a plurality of contact plugs (**14**). The second wiring portion is integrated with the first wiring portion such that each terminal (**14***a*) of the second wiring portion is in direct contact with one of the wiring layers of the first wiring portion. Hence, there is no risk to produce an internal stress caused by the diffused component of the solder bump in the junction portion between the second and first wiring portions. Accordingly, even when a semiconductor chip (**30**) of a low-k material is highly integrated on the wiring board, a highly reliable semiconductor device (**50**) can be obtained.

23 Claims, 9 Drawing Sheets



P16185-A

Exhibit 2

For Non-U.S. Clients

Assignment

Whereas, I/We, Masamoto Tago of c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in Semiconductor Device and Wiring Board

and executed an application for Letters Patent of the United States of America therefor on November 6, 2006; and

Whereas, NEC Corporation
7-1, Shiba 5-chome,
Minato-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number ______ and Confirmation number ______, filed ______) the filing date and application number of said application when known.

Date: November 6, 2006 — Masamoto Tago
s/ Masamoto Tago

Date: ______
s/

Date: ______
s/

Date: ______
s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Witness:

Exhibit 3

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

11/22/2006
500183123

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Masamoto TAGO	11/06/2006

RECEIVING PARTY DATA

Name:	NEC CORPORATION
Street Address:	7-1, Shiba 5-chome, Minato-ku,
City:	Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11569402

CORRESPONDENCE DATA

Fax Number: (202)293-7860
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Email: tjohnson@sughrue.com
Correspondent Name: Howard L. Bernstein
Address Line 1: 2100 Pennsylvania Avenue
Address Line 4: Washington, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER:	Q98306
NAME OF SUBMITTER:	Howard L. Bernstein

Total Attachments: 1
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CH $40.00 11569402

Exhibit 4

States Patent and Trademark Office

Assignments on the Web > Patent Query

Patent Assignment Abstract of Title

NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Total Assignments: 4

Patent #: 7692287 **Issue Dt:** 04/06/2010 **Application #:** 11569402 **Filing Dt:** 11/20/2006

Publication #: 20080237890 **Pub Dt:** 10/02/2008

Inventor: Masamoto Tago

Title: SEMICONDUCTOR DEVICE AND WIRING BOARD

Assignment: 1

Reel/Frame: 018546/0468 **Recorded:** 11/22/2006 **Pages:** 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: TAGO, MASAMOTO **Exec Dt:** 11/06/2006

Assignee: NEC CORPORATION
7-1, SHIBA 5-CHOME, MINATO-KU,
TOKYO, JAPAN

Correspondent: HOWARD L. BERNSTEIN
2100 PENNSYLVANIA AVENUE
WASHINGTON, DC 20037

Assignment: 2

Reel/Frame: 019378/0744 **Recorded:** 05/25/2007 **Pages:** 8

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: ARVIN TECHNOLOGIES, INC. **Exec Dt:** 05/16/2007

Assignee: ET US HOLDINGS LLC
CORPORATION TRUST CENTER 1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Correspondent: JOHN D. ZELE
MORGAN, LEWIS & BOCKIUS LLP
1111 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20004

Assignment: 3

Reel/Frame: 019353/0736 **Recorded:** 05/31/2007 **Pages:** 17

Conveyance: SECURITY AGREEMENT

Assignor: ET US HOLDINGS LLC **Exec Dt:** 05/25/2007

Assignee: THE CIT GROUP/BUSINESS CREDIT, INC.
30 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606

Correspondent: JENNIFER WARD
4 TIMES SQUARE
30-118
NEW YORK, NY 10036

Assignment: 4

Reel/Frame: 023957/0741 **Recorded:** 02/19/2010 **Pages:** 20

Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignor: CIT GROUP/BUSINESS CREDIT, INC. **Exec Dt:** 02/08/2010

Assignee: EMCON TECHNOLOGIES LLC (FORMERLY KNOWN AS ET US HOLDINGS LLC)
950 W 450 S
COLUMBUS, INDIANA 47201

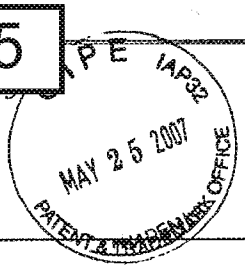
Correspondent: PIA SEN, CGSH LLP

1 LIBERTY PLAZA
FLOOR 37 N
NEW YORK, NY 10006

Search Results as of: 09/12/2014 03:26 AM
If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350. v.2.4
Web interface last modified: Mar 15, 2014 v.2.4

Exhibit 5

FORM PTO-1595 (Rev. 6-93)



05-31-2007

103411276

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

EET

Attorney Docket No.: 054921-0038

Commissioner for Patents: **MAIL STOP: ASSIGNMENT RECORDATION SERVICES**
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

5.25.07

1. Arvin Technologies, Inc.

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

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

Name: ET US Holdings LLC

Internal Address:

Street Address: Corporation Trust Center
1209 Orange Street

City: Wilmington

State: DE Zip: 19801

Additional name(s) & address(es) attached?
Yes X No

3. Nature of conveyance:

X Assignment Agreement
Security Agreement
Other:
__ Merger
__ Change of Name

Execution Date: May 16, 2007

4. Application number(s) or patent number(s): 10/418808, 11/247443, 11/469674, 09/956194, 10/443372, 10/641911, 10/980681, 10/909822, 11/048430, 10/603993, 11/061990, 11/081415, 11/089637, 11/500641, 10/777394, 10/931092, 10/652841, 10/769620, 10/951412, 10/775033, 10/233222, 10/713433, 11/568836, 10/467384, 10/068693, 10/725223, 10/359913, 10/965512, 11/450043, 09/912988, 11/332919, 11/219150, 10/951412, 10/894548, 10/889412, 10/910662, 10/178575, 10/952050, 10/849620, 10/980681, 10/931020, 11/146846, 10/931027, 11/219083, 10/931090, 10/931028, 10/931009, 10/345681, 10/931010, 10/931026, 10/931091, 10/931088, 10/931017, 10/745363, 11/677363, 11/125470, 10/931008, 10/931025, 11/118821, 11/144283, 10/930720, 10/407988, 09/939242, 10/952211, 10/449406, 10/358511, 11/054808, 10/951064, 11/231556, 10/910662, 11/099359, 11/488950, 09/855983, 11/107345, 11/152869, 11/491836, 10/417392, 11/491864, 11/569402, 11/251288, 10/930720, 10/775033, 11/174883, 11/244783, 60/812346, 60/823557

Additional numbers attached: __ Yes X No

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

Name: John D. Zele
Internal Address: **Customer No. 09629**
Morgan, Lewis & Bockius LLP

Street Address: 1111 Pennsylvania Avenue, N.W.
City: Washington **State:** D.C. **Zip:** 20004

6. Total number of applications and patents involved: 86

7. Total fee (37 C.F.R §3.41): **$3,440.00**
____ Enclosed
X Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310
Attach duplicate of page if paying by deposit account

9. Statement and Signature
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John D. Zele, Reg. No. 39,887
Name of Person Signing

Signature

May 25, 2007
Date

05/30/2007 DBYRNE 00000069 500310 10418808
01 FC:8021 3440.00 DA

Total number of pages including cover sheet, attachments and documents: 8

1-WA/2763207.1

ASSIGNMENT AGREEMENT

WHEREAS, **Arvin Technologies, Inc.** (hereinafter referred to as "Assignor"), of **2135 West Maple Road, Troy, MI 48084,** is the sole and exclusive record and beneficial owner of the United States patent applications and patents listed in Exhibit A (hereinafter referred to as the "Patent Rights"); and

WHEREAS, Assignor has agreed to assign to **ET US HOLDINGS LLC** (hereinafter referred to as "Assignee"), of **Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801, USA,** all of its right, title and interest to Assignee in and to (i) the Patent Rights, (ii) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals, and reexaminations of the foregoing, (iii) all rights corresponding to any of the foregoing throughout the world (including the right to claim the priority date of any of the foregoing), (iv) all inventions and improvements described therein, (v) all rights to sue at law or in equity for any past, present and future infringement, abuse, misappropriation, violation or other impairment thereof, including, without limitation, the right to receive all proceeds of suit and damage awards therefore, and (vi) all payments, income, and royalties and rights to payments, income, and royalties arising out of the sale, lease, license, assignment, or other disposition thereof (hereinafter the "Assigned Rights").

NOW THEREFORE, be it known by all whom it may concern that in consideration of the sum of One Dollar ($1.00) and other good and valuable consideration as set forth in the agreements between the parties, the receipt and sufficiency of which is hereby acknowledged, the Assignor has agreed to assign, sell and set over and by these presents does hereby assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, all of its right, title and interest in and to the Assigned Rights, the Assigned Rights to be held and enjoyed by the Assignee as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made.

AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title of Assignee in the Assigned Rights and to obtain Letters Patent therefore in the name of Assignee, and the Assignor hereby authorizes and

request the Commissioner of Patents to issue any such Letters Patent to the Assignee in accordance with this Agreement.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be signed and executed by the undersigned officers thereunto duly authorized this 16th day of May, 2007.

ARVIN TECHNOLOGIES, INC.

By: _____

Name: John A. Crable

Title: Vice President and Assistant Secretary

Exhibit A

Serial No.	Filing Date	Patent No.	Grant Date	Title
10/418808	April 18, 2003			APPARATUS AND METHOD FOR REGENERATING A PARTICULATE FILTER OF AN EXHAUST SYSTEM OF AN INTERNAL COMBUSTION ENGINE
11/247443	October 11, 2005			APPARATUS AND METHOD FOR REGENERATING A PARTICULATE FILTER OF AN EXHAUST SYSTEM OF AN INTERNAL COMBUSTION ENGINE
11/469674	September 1, 2006			APPARATUS AND METHOD FOR REGENERATING A PARTICULATE FILTER WITH A NON-UNIFORMLY LOADED OXIDATION CATALYST
09/956194	September 19, 2001	6501042	December 31, 2002	APPARATUS AND PROCESS FOR ASSEMBLING EXHAUST PROCESSOR COMPONENTS
10/443372	May 22, 2003			APPARATUS FOR REDUCING PARTICULATE EMISSIONS
10/641911	August 14, 2003	7063182	June 20, 2006	BAFFLE SUPPORT TUBE
10/980681	November 3, 2004			Burner plus EGR System
10/909822	August 2, 2004			CATALYTIC CONVERTER AND ASSOCIATED METHOD OF ASSEMBLY
11/048430	February 1, 2005			CONVERTER ASSEMBLY WITH INSULATED SENSOR BOSS
10/603993	June 25, 2003	7010379	March 7, 2006	CONVERTER SUBSTRATE VERIFICATION
11/061990	February 18, 2005			DEVICE FOR CLEANING VEHICLE EXHAUST GAS
11/081415	March 16, 2005			DEVICE FOR CLEANING VEHICULAR EXHAUST GAS
11/089637	March 25, 2005			DEVICE FOR CLEANING VEHICULAR EXHAUST GAS, IN PARTICULAR A DIESEL EXHAUST PARTICLE FILTER, AND VEHICLE COMPRISING SUCH DEVICE
11/500641	August 8, 2006			ELECTRICALLY ACTUATED FLOW ASSISTED EXHAUST VALVE
10/777394	February 12, 2004			ELECTRICALLY CONTROLLED IN-MUFFLER EXHAUST VALVE FOR NVH IMPROVEMENT DURING\nCYLINDER DEACTIVATION
10/931092	August 31, 2004			EMISSION ABATEMENT ASSEMBLY AND METHOD OF

				OPERATING THE SAME
10/652841	August 29, 2003			EMISSION ABATEMENT DEVICE AND METHOD OF USING SAME
10/769620	January 30, 2004			EXHAUST GAS HEAT EXCHANGER AND BYPASS ASSEMBLY
10/951412	September 28, 2004			EXHAUST GAS SYSTEM AND METHOD OF DIRECTING A FLOW OF EXHAUST GAS OF A VEHICULAR INTERNAL COMBUSTION ENGINE
10/775033	February 9, 2004			EXHAUST PIPE VALVE
10/233222	September 3, 2002	6694727	February 24, 2004	EXHAUST PROCESSOR
10/713433	November 13, 2003			EXHAUST PROCESSOR
11/568836	November 8, 2006			EXHAUST PROCESSOR AND ASSOCIATED METHOD
10/467384	August 7, 2003			EXHAUST PROCESSOR WITH RENEWABLE PARTICULATE ELIMINATOR
10/068693	February 6, 2002	6732510	May 11, 2004	EXHAUST PROCESSOR WITH VARIABLE TUNING SYSTEM
10/725223	December 1, 2003	6915876	July 12, 2005	EXHAUST PROCESSOR WITH VARIABLE TUNING SYSTEM
10/359913	February 6, 2003	6901752	June 7, 2005	EXHAUST PROCESSOR WITH VARIABLE TUNING SYSTEM AND METHOD OF OPERATING SUCH EXHAUST PROCESSOR
10/965512	October 14, 2004			EXHAUST SILENCER WITH ACOUSTIC DAMPING MAT
11/450043	June 9, 2006			EXHAUST SYSTEM
09/912988	July 25, 2001	6557908	May 6, 2003	EXHAUST SYSTEM CLAMP ASSEMBLY AND ASSOCIATED METHOD
11/332919	January 17, 2006			EXHAUST SYSTEM WITH CAM-OPERATED VALVE ASSEMBLY AND ASSOCIATED METHOD
11/219150	September 2, 2005			EXHAUST SYSTEM WITH EXTERNAL HELMHOLTZ RESONATOR AND ASSOCIATED METHOD
10/951412	September 28, 2004			Flow Switch Subsystem
10/894548	July 20, 2004	6918755	July 19, 2005	FUEL-FIRED BURNER WITH SKEWED ELECTRODE ARRANGEMENT
10/889412	July 12, 2004			Heat Exchanger Housing
10/910662	August 3, 2004			Heat protector
10/178575	June 24, 2002	6702190	March 9, 2004	HEAT TRANSFER SYSTEM FOR A VEHICLE
10/952050	September 28, 2004			INNER CONE FOR CONVERTER ASSEMBLY

10/849620	May 19, 2004			INTERLOCKING FLANGE FOR AN EXHAUST SYSTEM
10/980681	November 3, 2004			INTERNAL COMBUSTION ENGINE EXHAUST SYSTEM
10/931020	August 31, 2004			METHOD AND APPARATUS FOR CLEANING THE ELECTRODES OF A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
11/146846	June 7, 2005			METHOD AND APPARATUS FOR CONTROLLING A COMPONENT BY FEED-FORWARD CLOSED-LOOP CONTROLLER STATE MODIFICATION
10/931027	August 31, 2004			METHOD AND APPARATUS FOR CONTROLLING A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
11/219083	September 2, 2005			METHOD AND APPARATUS FOR CONTROLLING SOUND OF AN ENGINE BY SOUND FREQUENCY ANALYSIS
10/931090	August 31, 2004			METHOD AND APPARATUS FOR CONTROLLING THE TEMPERATURE OF A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
10/931028	August 31, 2004	7118613	October 10, 2006	METHOD AND APPARATUS FOR COOLING THE COMPONENTS OF A CONTROL UNIT OF AN EMISSION ABATEMENT ASSEMBLY
10/931009	August 31, 2004			METHOD AND APPARATUS FOR DIRECTING EXHAUST GAS THROUGH A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
10/345681	January 16, 2003			METHOD AND APPARATUS FOR DIRECTING EXHAUST GAS AND REDUCTANT FLUID IN AN EMISSION ABATEMENT SYSTEM
10/931010	August 31, 2004			METHOD AND APPARATUS FOR MONITORING ASH ACCUMULATION IN A PARTICULATE FILTER OF AN EMISSION ABATEMENT ASSEMBLY
10/931026	August 31, 2004			METHOD AND APPARATUS FOR MONITORING ASH ACCUMULATION IN A PARTICULATE FILTER OF AN EMISSION ABATEMENT ASSEMBLY
10/931091	August 31, 2004			METHOD AND APPARATUS FOR

				MONITORING ENGINE PERFORMANCE AS A FUNCTION OF SOOT ACCUMULATION IN A FILTER
10/931088	August 31, 2004			METHOD AND APPARATUS FOR MONITORING THE COMPONENTS OF A CONTROL UNIT OF AN EMISSION ABATEMENT ASSEMBLY
10/931017	August 31, 2004			METHOD AND APPARATUS FOR OPERATING AN AIRLESS FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
10/745363	December 23, 2003			METHOD AND APPARATUS FOR REGENERATING A NITROGEN OXIDES ABSORBER
11/677363	February 21, 2007			METHOD AND APPARATUS FOR REGENERATING FILTER BY ENGINE HEAT
11/125470	May 10, 2005			METHOD AND APPARATUS FOR SELECTIVE CATALYTIC REDUCTION OF NOx
10/931008	August 31, 2004	7025810	April 11, 2006	METHOD AND APPARATUS FOR SHUTTING DOWN A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
10/931025	August 31, 2004			METHOD AND APPARATUS FOR STARTING UP A FUEL-FIRED BURNER OF AN EMISSION ABATEMENT ASSEMBLY
11/118821	April 29, 2005			METHOD AND APPARATUS FOR SUPPLYING AIR TO EMISSION ABATEMENT DEVICE BY USE OF TURBOCHARGER
11/144283	June 3, 2005			METHOD FOR ASSEMBLING A CATALYTIC CONVERTER
10/930720	August 31, 2004			METHOD FOR CONTROLLING A VALVE FOR AN EXHAUST SYSTEM
10/407988	April 4, 2003			MID-BED CATALYST SENSOR WITH SILICA INSULATION
09/939242	August 24, 2001			MODULAR EXHAUST TREATMENT SYSTEM
10/952211	September 28, 2004			MUFFLER AND HEAT SHIELD ASSEMBLY
10/449406	May 30, 2003			MUFFLER WITH HELMHOLTZ RESONATOR HAVING MULTIPLE DEGREES OF FREEDOM\n
10/358511	February 5, 2003	6913112	July 5, 2005	NOISE ATTENUATION ASSEMBLY
11/054808	February 10, 2005			PARTICULATE FILTER ASSEMBLY
10/951064	September 27, 2004			PARTICULATE FILTER ASSEMBLY AND ASSOCIATED

				METHOD
11/231556	September 21, 2005			PRESSED ASSEMBLY FOR PASSIVE VALVE INSTALLATION
10/910662	August 3, 2004			SEMI-ACTIVE MUFFLER
11/099359	April 5, 2005			SERVICEABLE EXHAUST JOINT CONNECTION
11/488950	July 19, 2006			SIDE LOADED VALVE ASSEMBLY
09/855983	May 15, 2001	6467570	October 22, 2002	SPARK ARRESTOR WITH SPARK FILTER
11/107345	April 15, 2005			SPUN EXTRUSION SIDE ENTRY MUFFLER
11/152869	June 15, 2005			SWIRL-STABILIZED BURNER FOR THERMAL MANAGEMENT OF EXHAUST SYSTEM AND ASSOCIATED METHOD
11/491836	July 24, 2006			THERMAL ISOLATOR FOR ACTUATOR AND VALVE ASSEMBLY
10/417392	April 16, 2003			THERMAL MANAGEMENT OF EXHAUST SYSTEMS
11/491864	July 24, 2006			THERMALLY ISOLATED ACTUATOR WITH TEMPORARY CONTACTING LINKAGE MECHANISM FOR EXHAUST VALVE
11/569402	May 24, 2005			Three Layer Manifold
11/251288	October 14, 2005			VALVE ASSEMBLY WITH OVERSTROKE DEVICE AND ASSOCIATED METHOD
10/930720	August 31, 2004			Valve Controlling System
10/775033	February 9, 2004			Valve for an Exhaust Pipe
11/174883	July 5, 2005			VELOCITY CONTROL OF EXHAUST VALVE ACTUATION
11/244783	October 6, 2005			EXHAUST VALVE BUSHING
60/812346	9-Jun-06			AIR-FUEL MIXER
60/823557	25-Aug-06			APPARATUS AND METHODS FOR REGENERATING A PARTICULATE FILTER AND A NOx ABSORBER

Exhibit 6

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
ET US Holdings LLC	05/25/2007

RECEIVING PARTY DATA

Name:	The CIT Group/Business Credit, Inc.
Street Address:	30 South Wacker Drive
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60606

PROPERTY NUMBERS Total: 122

Property Type	Number
Patent Number:	RE33118
Patent Number:	7118613
Patent Number:	7063182
Patent Number:	7025810
Patent Number:	7010379
Patent Number:	6918755
Patent Number:	6915876
Patent Number:	6913112
Patent Number:	6901752
Patent Number:	6732510
Patent Number:	6702190
Patent Number:	6694727
Patent Number:	6659222
Patent Number:	6579030
Patent Number:	6575267

CH $4880.00 RE33118

Patent Number:	6557908
Patent Number:	6527006
Patent Number:	6501042
Patent Number:	6467570
Patent Number:	6463655
Patent Number:	6453558
Patent Number:	6422007
Patent Number:	6415889
Patent Number:	6405437
Patent Number:	6257367
Patent Number:	6253792
Patent Number:	6199659
Patent Number:	6164412
Patent Number:	6155091
Patent Number:	6135237
Patent Number:	6009737
Patent Number:	5952624
Patent Number:	5949035
Patent Number:	5829132
Patent Number:	5801344
Patent Number:	5336856
Patent Number:	5331810
Patent Number:	5293743
Patent Number:	5290974
Patent Number:	5245409
Patent Number:	5229557
Patent Number:	5147987
Patent Number:	5048287
Patent Number:	5009065
Patent Number:	4961314
Patent Number:	4941545
Patent Number:	4930597
Patent Number:	4850189
Patent Number:	4783959
Patent Number:	4689952

Application Number:	09408335
Application Number:	09423597
Application Number:	09605847
Application Number:	09627500
Application Number:	09939242
Application Number:	10195580
Application Number:	10345681
Application Number:	10407988
Application Number:	10417392
Application Number:	10418808
Application Number:	10443372
Application Number:	10449406
Application Number:	10467384
Application Number:	10652841
Application Number:	10713433
Application Number:	10745363
Application Number:	10769620
Application Number:	10775033
Application Number:	10777394
Application Number:	10849620
Application Number:	10889412
Application Number:	10909822
Application Number:	10910662
Application Number:	10930720
Application Number:	10931009
Application Number:	10931010
Application Number:	10931017
Application Number:	10931020
Application Number:	10931025
Application Number:	10931026
Application Number:	10931027
Application Number:	10931088
Application Number:	10931090
Application Number:	10931091
Application Number:	10931092

Application Number:	10951064
Application Number:	10951412
Application Number:	10952050
Application Number:	10952211
Application Number:	10965512
Application Number:	10980681
Application Number:	11048430
Application Number:	11054808
Application Number:	11061990
Application Number:	11081415
Application Number:	11089637
Application Number:	11099359
Application Number:	11107345
Application Number:	11118821
Application Number:	11125470
Application Number:	11144283
Application Number:	11146846
Application Number:	11152869
Application Number:	11174883
Application Number:	11219083
Application Number:	11219150
Application Number:	11231556
Application Number:	11244783
Application Number:	11247443
Application Number:	11251288
Application Number:	11332919
Application Number:	11450043
Application Number:	11469674
Application Number:	11488950
Application Number:	11491836
Application Number:	11491864
Application Number:	11500641
Application Number:	11568836
Application Number:	11569402
Application Number:	11677363

Application Number:	60812346
Application Number:	60823557

CORRESPONDENCE DATA

Fax Number: (917)777-3059
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 212-735-3059
Email: jward@skadden.com
Correspondent Name: Jennifer Ward
Address Line 1: 4 Times Square
Address Line 2: 30-118
Address Line 4: New York, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	139900/554
NAME OF SUBMITTER:	Jennifer Ward

Total Attachments: 12
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PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this "Agreement"), dated as of May 25, 2007, is made between ET US Holdings LLC (the "Grantor"), in favor of The CIT Group/Business Credit, Inc., as Administrative agent (in such capacity, together with its successors and permitted assigns, the "Administrative Agent") for the benefit of itself and the other Secured Parties.

WITNESSETH:

WHEREAS pursuant to the terms of that certain Credit Agreement, dated as of May 25, 2007 (as it may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among ET US Holdings LLC (the "Borrower"), each of Borrower's domestic subsidiaries identified on the signature pages thereof, the Administrative Agent, the lenders party thereto and the other parties thereto have agreed to extend credit and make certain financial accommodations to the Borrower;

WHEREAS pursuant to that certain Pledge and Security Agreement, of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"), between the Grantor and the Administrative Agent, the Grantor has granted to the Administrative Agent a security interest and continuing lien on all of the Grantor's right, title and interest in, to and under all Collateral, including the Patent Collateral (as defined below), in each case whether now owned or existing or hereafter acquired or arising and wherever located to secure the prompt and complete payment and performance of all Secured Obligations (as defined in the Security Agreement) including the obligations of the Borrower under the Credit Agreement; and

WHEREAS pursuant to the Credit Agreement, the Grantor is required to execute and deliver this Agreement.

NOW, THEREFORE, in consideration of the premises and to induce the Lenders (as defined in the Credit Agreement), the Issuing Bank (as defined in the Credit Agreement), and the Administrative Agent to enter into the Credit Agreement and to induce the Lenders and the Issuing Bank to make their respective extensions of credit to the Borrower thereunder, the Grantor hereby agrees with the Administrative Agent as follows:

Section 1. Defined Terms

Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

Section 2. Grant of Security Interest in Patents

The Grantor hereby grants to the Collateral Agent a security interest and continuing lien on all of the Grantor's right, title and interest in, to and under the following Collateral of the Grantor, in each case whether owned or existing or hereafter acquired or arising and wherever located (collectively, the "Patent Collateral"):

(i) all of its Patents and all Patent Licenses, including, without limitation, those referred to on Schedule 1 hereto;

(ii) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals and reexaminations of the foregoing; and

(iii) all payments, income, royalties, all rights to payments, income and royalties, arising out of the sale, lease, license, assignment or other disposition thereof, and all proceeds at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, abuse, misappropriation, violation or other impairment thereof.

The security interest and continuing lien granted under this Section 2 shall not attach to Excluded Property (as defined in the Security Agreement).

Section 3. Security for Obligations

This Agreement secures, and the Patent Collateral is collateral security for, the prompt and complete payment or performance in full when due, whether at stated maturity, by required prepayment, declaration, acceleration, demand or otherwise (including the payment of amounts that would become due but for the operation of the automatic stay under Section 362(a) of the Bankruptcy Code, 11 U.S.C. §362(a) (and any successor provision thereof)), of all Secured Obligations.

Section 4. Security Agreement

The security interests granted pursuant to this Agreement are granted in conjunction with the security interests granted to the Administrative Agent pursuant to the Security Agreement and the Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event of any irreconcilable conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall control.

Section 5. Grantor Remains Liable

The Grantor hereby agrees that, anything herein to the contrary notwithstanding, the Grantor shall remain liable for all obligations under the Collateral, and shall assume full and complete responsibility for the prosecution, defense, enforcement or any other reasonably necessary or desirable actions in connection with their Patents and Intellectual Property Licenses subject to a security interest hereunder.

Section 6. Counterparts

This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument.

Section 7. Governing Law

This agreement and the rights and obligations of the parties hereto shall be governed by, and construed in accordance with the laws of the State of New York, but giving effect to federal laws applicable to national banks.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this Agreement to be duly executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

ET US HOLDINGS LLC,
as Grantor

By: William H. Wangerin, Jr.
Name: William H. Wangerin, Jr.
Title: Vice President

ACKNOWLEDGEMENT OF GRANTOR

STATE OF Illinois)
) ss.
COUNTY OF Cook)

On this 22nd day of May, 2007 before me personally appeared William H. Wangerin, Jr., proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of ET US HOLDINGS LLC, who being by me duly sworn did depose and say that he is an authorized officer of said limited liability company, that the said instrument was signed on behalf of said corporation as authorized by its Board of Managers and that he acknowledged said instrument to be the free act and deed of said limited liability company.

Krystal Zec
Notary Public

OFFICIAL SEAL
KRYSTAL ZEC
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 8/4/10

ACCEPTED AND AGREED
as of the date first above written:

THE CIT GROUP/BUSINESS CREDIT, INC.,
as Administrative Agent

By: Donna H Evans
Name: Donna H. Evans
Title: Senior Vice President

SCHEDULE I

TO

PATENT SECURITY AGREEMENT

A. PATENTS

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
10/418808	4/18/03			Apparatus And Method For Regenerating A Particulate Filter Of An Exhaust System Of An Internal Combustion Engine	US
11/247443	10/11/05			Apparatus And Method For Regenerating A Particulate Filter Of An Exhaust System Of An Internal Combustion Engine	US
11/469674	9/1/06			Apparatus And Method For Regenerating A Particulate Filter With A Non-Uniformly Loaded Oxidation Catalyst	US
09/956194	9/19/01	6501042	12/31/02	Apparatus And Process For Assembling Exhaust Processor Components	US
10/443372	5/22/03			Apparatus For Reducing Particulate Emissions	US
10/641911	8/14/03	7063182	6/20/06	Baffle Support Tube	US
10/980681	11/3/04			Burner Plus EGR System	US
10/909822	8/2/04			Catalytic Converter And Associated Method Of Assembly	US
11/048430	2/1/05			Converter Assembly With Insulated Sensor Boss	US
10/603993	6/25/03	7010379	3/7/06	Converter Substrate Verification	US
11/061990	2/18/05			Device For Cleaning Vehicle Exhaust Gas	US
11/081415	3/16/05			Device For Cleaning Vehicular Exhaust Gas	US
11/089637	3/25/05			Device For Cleaning Vehicular Exhaust Gas, In Particular A Diesel Exhaust Particle Filter, And Vehicle Comprising Such Device	US
11/500641	8/8/06			Electrically Actuated Flow Assisted Exhaust Valve	US
10/777394	2/12/04			Electrically Controlled In-Muffler Exhaust Valve For NVH Improvement During\Ncylinder Deactivation	US
10/931092	8/31/04			Emission Abatement Assembly And Method Of Operating The Same	US

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
10/652841	8/29/03			Emission Abatement Device And Method Of Using Same	US
10/769620	1/30/04			Exhaust Gas Heat Exchanger And Bypass Assembly	US
10/951412	9/28/04			Exhaust Gas System And Method Of Directing A Flow Of Exhaust Gas Of A Vehicular Internal Combustion Engine	US
10/775033	2/9/04			Exhaust Pipe Valve	US
10/233222	9/3/02	6694727	2/24/04	Exhaust Processor	US
10/713433	11/13/03			Exhaust Processor	US
11/568836	11/8/06			Exhaust Processor And Associated Method	US
10/467384	8/7/03			Exhaust Processor With Renewable Particulate Eliminator	US
10/068693	2/6/02	6732510	5/11/04	Exhaust Processor With Variable Tuning System	US
10/725223	12/1/03	6915876	7/12/05	Exhaust Processor With Variable Tuning System	US
10/359913	2/6/03	6901752	6/7/05	Exhaust Processor With Variable Tuning System And Method Of Operating Such Exhaust Processor	US
10/965512	10/14/04			Exhaust Silencer With Acoustic Damping Mat	US
11/450043	6/9/06			Exhaust System	US
09/912988	7/25/01	6557908	5/6/03	Exhaust System Clamp Assembly And Associated Method	US
11/332919	1/17/06			Exhaust System With Cam-Operated Valve Assembly And Associated Method	US
11/219150	9/2/05			Exhaust System With External Helmholtz Resonator And Associated Method	US
10/951412	9/28/04			Flow Switch Subsystem	US
10/894548	7/20/04	6918755	7/19/05	Fuel-Fired Burner With Skewed Electrode Arrangement	US
10/889412	7/12/04			Heat Exchanger Housing	US
10/910662	8/3/04			Heat Protector	US
10/178575	6/24/02	6702190	3/9/04	Heat Transfer System For A Vehicle	US
10/952050	9/28/04			Inner Cone For Converter Assembly	US
10/849620	5/19/04			Interlocking Flange For An Exhaust System	US
10/980681	11/3/04			Internal Combustion Engine Exhaust System	US
10/931020	8/31/04			Method And Apparatus For Cleaning The Electrodes Of A Fuel-Fired Burner Of An Emission Abatement Assembly	US

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
11/146846	6/7/05			Method And Apparatus For Controlling A Component By Feed-Forward Closed-Loop Controller State Modification	US
10/931027	8/31/04			Method And Apparatus For Controlling A Fuel-Fired Burner Of An Emission Abatement Assembly	US
11/219083	9/2/05			Method And Apparatus For Controlling Sound Of An Engine By Sound Frequency Analysis	US
10/931090	8/31/04			Method And Apparatus For Controlling The Temperature Of A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/931028	8/31/04	7118613	10/10/06	Method And Apparatus For Cooling The Components Of A Control Unit Of An Emission Abatement Assembly	US
10/931009	8/31/04			Method And Apparatus For Directing Exhaust Gas Through A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/345681	1/16/03			Method And Apparatus For Directing Exhaust Gas And Reductant Fluid In An Emission Abatement System	US
10/931010	8/31/04			Method And Apparatus For Monitoring Ash Accumulation In A Particulate Filter Of An Emission Abatement Assembly	US
10/931026	8/31/04			Method And Apparatus For Monitoring Ash Accumulation In A Particulate Filter Of An Emission Abatement Assembly	US
10/931091	8/31/04			Method And Apparatus For Monitoring Engine Performance As A Function Of Soot Accumulation In A Filter	US
10/931088	8/31/04			Method And Apparatus For Monitoring The Components Of A Control Unit Of An Emission Abatement Assembly	US
10/931017	8/31/04			Method And Apparatus For Operating An Airless Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/745363	12/23/03			Method And Apparatus For Regenerating A Nitrogen Oxides Absorber	US
11/677363	2/21/07			Method And Apparatus For Regenerating Filter By Engine Heat	US
11/125470	5/10/05			METHOD AND APPARATUS FOR SELECTIVE CATALYTIC REDUCTION OF Nox	US

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
10/931008	8/31/04	7025810	4/11/06	Method And Apparatus For Shutting Down A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/931025	8/31/04			Method And Apparatus For Starting Up A Fuel-Fired Burner Of An Emission Abatement Assembly	US
11/118821	4/29/05			Method And Apparatus For Supplying Air To Emission Abatement Device By Use Of Turbocharger	US
11/144283	6/3/05			Method For Assembling A Catalytic Converter	US
10/930720	8/31/04			Method For Controlling A Valve For An Exhaust System	US
10/407988	4/4/03			Mid-Bed Catalyst Sensor With Silica Insulation	US
09/939242	8/24/01			Modular Exhaust Treatment System	US
10/952211	9/28/04			Muffler And Heat Shield Assembly	US
10/449406	5/30/03			MUFFLER WITH HELMHOLTZ RESONATOR HAVING MULTIPLE DEGREES OF FREEDOM\N	US
10/358511	2/5/03	6913112	7/5/05	Noise Attenuation Assembly	US
11/054808	2/10/05			Particulate Filter Assembly	US
10/951064	9/27/04			Particulate Filter Assembly And Associated Method	US
11/231556	9/21/05			Pressed Assembly For Passive Valve Installation	US
10/910662	8/3/04			Semi-Active Muffler	US
11/099359	4/5/05			Serviceable Exhaust Joint Connection	US
11/488950	7/19/06			Side Loaded Valve Assembly	US
09/855983	5/15/01	6467570	10/22/02	Spark Arrestor With Spark Filter	US
11/107345	4/15/05			Spun Extrusion Side Entry Muffler	US
11/152869	6/15/05			Swirl-Stabilized Burner For Thermal Management Of Exhaust System And Associated Method	US
11/491836	7/24/06			Thermal Isolator For Actuator And Valve Assembly	US
10/417392	4/16/03			Thermal Management Of Exhaust Systems	US
11/491864	7/24/06			Thermally Isolated Actuator With Temporary Contacting Linkage Mechanism For Exhaust Valve	US
11/569402	5/24/05			Three Layer Manifold	US
11/251288	10/14/05			Valve Assembly With Overstroke Device And Associated Method	US
10/930720	8/31/04			Valve Controlling System	US

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
10/775033	2/9/04			Valve For An Exhaust Pipe	US
11/174883	7/5/05			Velocity Control Of Exhaust Valve Actuation	US
11/244783	10/6/05			Exhaust Valve Bushing	US
60/812346	6/9/06			Air-Fuel Mixer	US
60/823557	8/25/06			Apparatus And Methods For Regenerating A Particulate Filter And A NOx Absorber	US
09/508722	5/19/00	6405437	6/18/02	Apparatus And Method For Encasing An Object	US
08/157470	11/26/93	5336856	8/9/94	Electronic Muffler Assembly With Exhaust Bypass	US
09/743179	2/23/01	6575267	6/10/03	Exhaust Component Having Multiple-Plated Outer Shell	US
07/215225	7/5/88	RE33118	12/2/86	Exhaust Processor	US
07/099557	9/22/87	4783959	11/15/88	Exhaust Processor Assembly	US
09/529104	6/14/00	6253792	7/3/01	Exhaust Processor End Cap	US
09/700484	2/21/01	6422007	7/23/02	Exhaust System	US
10/195580	7/15/02			Exhaust System	US
09/897372	7/2/01	6527006	3/4/03	Exhaust Valve Assembly	US
07/886955	5/21/92	5293743	3/15/94	Low Thermal Capacitance Exhaust Processor	US
07/886963	5/21/92	5331810	7/26/94	Low Thermal Capacitance Exhaust System For An Internal Combusiton Engine	US
09/259662	2/26/99	6155091	12/5/00	Mandrel Assembly For Tube-Bending Apparatus	US
07/108002	10/14/87	4850189	7/25/89	Manifold Baffle System	US
09/529103	6/7/00	6463655	10/15/02	Method And Apparatus For Assembling Exhaust Components	US
09/627500	7/28/00			Method Of Coupling Exhaust Components To One Another	US
09/827418	4/6/01	6453558	9/24/02	Method Of Locking Together Exhaust Components	US
09/605847	6/29/00			Method Of Making Exhaust Treatment Processor	US
08/689310	8/7/96	5829132	11/3/98	Methods Of Assembling An Exhaust Processor	US
09/285546	4/2/99	6164412	12/26/00	Muffler	US
07/345141	4/28/89	4941545	7/17/90	Muffler Assembly	US
07/544408	6/27/90	5147987	9/15/92	Muffler Assembly	US
09/914905	10/30/01	6659222	12/9/03	Multi-Chambered Muffler	US
07/334901	4/7/89	4930597	6/5/90	Noise Attenuation Apparatus	US
08/846735	4/30/97	5952624	9/14/99	Noise Attenuator	US

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
09/408335	9/29/99			Pipe Cutter	US
07/706169	5/28/91	5229557	7/20/93	Rigidified Muffler Assembly	US
09/855402	5/15/01	6579030	6/17/03	Sensor Mount Assembly	US
08/805092	2/24/97	5801344	9/1/98	Sound Attenuator With Throat Tuner	US
09/423597	11/10/99			Spiral-Formed Exhaust Tube	US
09/601129	7/27/00	6415889	7/9/02	Stamped-Formed Muffler Apparatus And Assembly Process	US
09/264233	3/5/99	6257367	7/10/01	Stamp-Formed Muffler	US
09/264234	3/5/99	6199659	3/13/01	Stamp-Formed Muffler	US
09/285863	4/2/99	6135237	10/24/00	Stamp-Formed Muffler	US
08/849628	6/4/97	5949035	9/7/99	Stamp-Formed Muffler Having A Unitary Inner Cartridge	US
08/030633	3/12/93	5290974	3/1/94	Tab And Notch Locator For Exhaust Systems	US
08/896030	7/17/97	6009737	1/4/00	Tube Bender	US
07/800853	11/27/91	5245409	9/14/93	Tube Seam Weld Inspection Device	US
06/873984	6/13/86	4689952	9/1/87	Tuned Exhaust Manifold	US
07/319069	3/6/89	4961314	10/9/90	Tuned Exhaust Processor Assembly	US
07/425308	10/23/89	5009065	4/23/91	Tuned Exhaust Processor Assembly	US
07/541083	6/19/90	5048287	9/17/91	Tuned Exhaust Processor Assembly	US

B. PATENT APPLICATIONS

None.

C. INTELLECTUAL PROPERTY LICENSES

None.

Exhibit 7

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY

CONVEYING PARTY DATA

Name	Execution Date
CIT Group/Business Credit, Inc.	02/08/2010

RECEIVING PARTY DATA

Name:	EMCON Technologies LLC (formerly known as ET US Holdings LLC)
Street Address:	950 W 450 S
City:	Columbus
State/Country:	INDIANA
Postal Code:	47201

PROPERTY NUMBERS Total: 122

Property Type	Number
Application Number:	10418808
Application Number:	11247443
Patent Number:	6501042
Application Number:	10443372
Patent Number:	7063182
Application Number:	10980681
Application Number:	10909822
Application Number:	11048430
Application Number:	10603993
Application Number:	11061990
Application Number:	11081415
Application Number:	11089637
Application Number:	11500641
Application Number:	10777394
Application Number:	10931092

OP $480.00 10418808

Application Number:	10652841
Application Number:	10769620
Application Number:	10951412
Application Number:	10775033
Application Number:	10233222
Application Number:	10713433
Application Number:	11568836
Application Number:	10467384
Application Number:	10068693
Application Number:	10725223
Application Number:	10359913
Application Number:	10965512
Application Number:	11450043
Patent Number:	6557908
Application Number:	11332919
Application Number:	11219150
Application Number:	10894548
Application Number:	10889412
Application Number:	10910662
Patent Number:	6702190
Application Number:	10952050
Application Number:	10849620
Application Number:	10931020
Application Number:	11146846
Application Number:	10931027
Application Number:	11219083
Application Number:	10931090
Application Number:	10931028
Application Number:	10931009
Application Number:	10345681
Application Number:	10931010
Application Number:	10931026
Application Number:	10931091
Application Number:	10931088
Application Number:	10931017

Application Number:	10745363
Application Number:	11677363
Application Number:	11125470
Application Number:	10931008
Application Number:	10931025
Application Number:	11118821
Application Number:	11144283
Application Number:	10930720
Application Number:	10407988
Application Number:	09939242
Application Number:	10952211
Application Number:	10449406
Application Number:	10358511
Application Number:	11054808
Application Number:	10951064
Application Number:	11231556
Application Number:	11099359
Application Number:	11488950
Application Number:	09855983
Application Number:	11107345
Application Number:	11152869
Application Number:	11491636
Application Number:	10417392
Application Number:	11491864
Application Number:	11569402
Application Number:	11251288
Application Number:	11174883
Application Number:	11244783
Application Number:	60812346
Application Number:	60823557
Application Number:	09508722
Application Number:	08157470
Application Number:	09743179
Application Number:	07215225
Application Number:	07099557

Application Number:	09529104
Application Number:	10195580
Application Number:	09700484
Application Number:	09897372
Application Number:	07886955
Application Number:	07886963
Application Number:	09259662
Application Number:	07108002
Application Number:	09529103
Application Number:	09627500
Application Number:	09827418
Application Number:	09605847
Application Number:	08689310
Application Number:	09285546
Application Number:	07345141
Application Number:	07544408
Application Number:	09914905
Application Number:	07334901
Application Number:	08846735
Application Number:	09408335
Application Number:	07706169
Application Number:	09855402
Application Number:	08805092
Application Number:	09423597
Application Number:	09601129
Application Number:	09264233
Application Number:	09264234
Application Number:	09285863
Application Number:	08849628
Application Number:	08030633
Application Number:	08896030
Application Number:	07800853
Application Number:	06873984
Application Number:	07319069
Application Number:	07425308

Application Number:	07541083
Application Number:	11469674

CORRESPONDENCE DATA

Fax Number: (212)225-3999

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: psen@cgsh.com

Correspondent Name: Pia Sen, CGSH LLP

Address Line 1: 1 Liberty Plaza

Address Line 2: Floor 37 N

Address Line 4: New York, NEW YORK 10006

NAME OF SUBMITTER:	Pia Sen

Total Attachments: 15

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RELEASE OF GRANT OF SECURITY INTEREST IN PATENTS

This Release of Grant of Security Interest in Patents (this "**Release**"), dated as of February 8, 2010, is made between The CIT Group/Business Credit, Inc. (the "**Agent**") and EMCON Technologies LLC, a Delaware limited liability company, as a successor-in-interest to ET US Holdings LLC (the "**Debtor**"). Unless otherwise defined herein, terms defined in the Pledge Agreement (defined below) and used herein have the meaning given to them in the Pledge Agreement.

WITNESSETH:

WHEREAS, pursuant to the terms of that certain Credit Agreement, dated as of May 25, 2007 (as it may be amended, restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**"), by and among Debtor each of Debtor's domestic subsidiaries identified on the signature pages thereof, Agent, the lenders party thereto and the other parties thereto had agreed to extend credit and make certain financial accommodations to Debtor;

WHEREAS, pursuant to that certain Pledge and Security Agreement, dated May 25, 2007 (as the same may be amended, restated, supplemented or otherwise modified from time to time) (the "**Pledge Agreement**"), between Debtor and Agent, Debtor had granted to Agent a security interest and continuing lien on all of Debtor's right, title and interest in, to and under all Collateral, including the Patent Collateral (as defined below), in each case whether then owned or existing or thereafter acquired or arising and wherever located to secure the prompt and complete payment and performance of all Secured Obligations (as defined in the Pledge Agreement) including the obligations of Debtor under the Credit Agreement; and

WHEREAS, pursuant to the Credit Agreement, Debtor was required to execute and deliver the Patent Security Agreement, dated May 25, 2007 (the "**Patent Security Agreement**", together with the Pledge Agreement, the "**Security Agreement**").

WHEREAS, the Patent Security Agreement was recorded with the U.S. Patent and Trademark Office on May 31, 2007 at Reel/Frame 019353/0736;

WHEREAS, to induce the Lenders (as defined in the Credit Agreement), the Issuing Bank (as defined in the Credit agreement), and Agent to enter into the Credit Agreement and to induce the Lenders and the Issuing Bank to make their respective extensions of credit to Debtor thereunder, Debtor granted to Agent a security interest and continuing lien on all of Debtor's right, title and interest in, to and under the following Collateral of Debtor, in each case whether owned or existing or thereafter acquired or arising and wherever located (collectively, the "**Patent Collateral**").

WHEREAS, Debtor has satisfied all of the obligations contained in the Security Agreement and Agent agrees to release and discharge all security interests granted to it and its assigns in connection with the Collateral, including, without limitation, the Patents and Patent applications set forth in the Security Agreement and/or on Schedule I hereto; and

WHEREAS, in order to further evidence the above referenced release, Agent and Debtor agree to enter into this Release to provide Debtor and his assigns and successors with an agreement that may be filed with the United States Patent and Trademark Office and other applicable foreign and domestic intellectual property offices.

NOW THEREFORE, in consideration of the premises, the parties to this Release, intending to be legally bound, agree as follows:

1. Agent hereby absolutely, unconditionally and irrevocably releases and forever discharges any security interest and continuing lien on any of Agent's right, title and interest in, to and under the following Patent Collateral, including, without limitation, the Patents and Patent applications set forth in the Security Agreement and/or on Schedule I attached hereto:

(i) all of the Patents, Patent Applications and Patent Licenses, including, without limitation, those referred to on Schedule I hereto;

(ii) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals and reexaminations of the foregoing; and

(iii) all payments, income, royalties, all rights to payments, income and royalties, arising out of the sale, lease, license, assignment or other disposition thereof, and all proceeds at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

2. The parties hereto authorize and request the Director of Patents and Trademarks of the United States of America and the director or other appropriate official of any applicable governmental authority in any jurisdiction to record this Release against the Patents and Patent applications set forth in the Security Agreement and/or on Schedule I attached hereto. Agent agrees to perform all further acts and execute and deliver all further documents and/or instruments that may be necessary or advisable to carry out the provisions of this Release.

3. Agent hereby represents and warrants that it has full authority to execute and deliver this Release and it has made no filings with any governmental authority with respect to any of the Patents or Patent applications in which Debtor granted a security interest other than the filing of the Patent Security Agreement in the United States Patent and Trademark Office and the filing of a financing statement under the Delaware Uniform Commercial Code in the State of Delaware.

4. This Release and the rights and obligations of the parties hereto shall be governed by, and construed in accordance with the laws of the State of New York, but giving effect to federal laws applicable to national banks.

5. This Release may not be modified, nor may any provision hereof be waived, orally or in any manner other than by an agreement in writing signed by the parties hereto or their respective successors and assigns.

6. All rights hereunder shall accrue to, and all obligations hereunder shall be binding upon, the heirs, representatives, successors, assigns and transferees of the parties hereto.

7. This Release may be executed in any number of separate counterparts, each of which, when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument.

[Remainder of Page Intentionally Blank]

IN WITNESS WHEREOF, the undersigned have entered into this Release as of the date first above written, intending to be legally bound.

EMCON Technologies LLC	The CIT Group/Business Credit, Inc.
By: Lee M. Gardner	By:
Title: Director	Title:

IN WITNESS WHEREOF, the undersigned have entered into this Release as of the date first above written, intending to be legally bound.

EMCON Technologies LLC	**The CIT Group/Business Credit, Inc.**
By: _____	By: Jon Eckhouse
Title: _____	Title: Vice President

STATE OF TEXAS
DALLAS COUNTY

February 5, 2010

Personally appeared the above named JON ECKHOUSE in his/her capacity as Vice President of The CIT Group/Business Credit, Inc., thereunto duly authorized, and acknowledged the foregoing instrument to be his/her free act and deed in said capacity and the free act and deed of The CIT Group/Business Credit, Inc.

SHANNON L. CONWAY
MY COMMISSION EXPIRES
September 18, 2010

Before me,

Shannon Conway
Notary Public/ Attorney at Law

Shannon Conway
Printed Name

Notary Page -- Release of Security Interest in Patents

SCHEDULE I

PATENTS

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
PI9812341-6	9/15/98	PI9812341-6	5/24/05	Apparatus And Method For Encasing An Object In A Case	BR
PI9814067-1	10/7/98	PI9814067-1	2/15/05	Exhaust Processor End Cap	BR
PI9814063-9	10/7/98	PI9814063-9	6/21/05	Method And Apparatus For Assembling Exhaust Components	BR
PI91027160	6/27/91	PI91027160	5/30/95	Muffler Assembly	BR
PI9809110-7	5/14/98			Spiral-Formed Exhaust Tube	BR
2304088	9/15/98			Apparatus And Method For Encasing An Object	CA
2336876	7/7/99			Exhaust Component Having Multiple-Plated Outer Shell	CA
2305725	10/7/98			Exhaust Processor End Cap	CA
539411	6/11/87	1305898	8/4/92	Manifold Tuning Structure	CA
2305724	10/7/98			Method And Apparatus For Assembling Exhaust Components	CA
2045700	6/26/91	2045700	4/10/01	Muffler Assembly	CA
2235048	4/16/98			Noise Attenuator	CA
2218711	8/16/96	2218711	8/14/01	Sound Attenuator With Throat Tuner	CA
2290585	5/14/98			Spiral-Formed Exhaust Tube	CA
2284070	3/24/97			Stamp-Formed Muffler Having A Unitary Inner Cartridge	CA
2115821	2/16/94	2115821	3/19/96	Tab And Notch Locator For Exhaust Systems	CA
2083872	11/26/92			Tube Weld Seam Inspection Device	CA
98811187.X	9/15/98	98811187.X	8/11/04	Apparatus And Method For Encasing An Object	CN
98811869.6	10/7/98	988118696	2/15/06	Exhaust Processor End Cap	CN
98811843.2	10/7/98	ZL98811843>	6/8/05	Method And Apparatus For Assembling Exhaust Components	CN
98806843.5	5/14/98			Spiral-Formed Exhaust Tube	CN
2005800072761.0	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	CN
200580014004.4	4/7/05			Interlocking Flange For An Exhaust System	CN
200580016521.5	5/24/05			Three Layer Manifold	CN
200610140007.9	10/8/06			Exhaust Valve Bushing	
20040001668	1/27/04	EP 1 443 186	2121/05	Exhaust Gas Heat Exchanger And Bypass Assembly	CZ
29716671.9	9/17/97	29716671.9	9/17/97	Apparatus And Method For Encasing An Object In A Case	DE
98947011.7	9/15/98	69827161 .0>	10/20/04	Apparatus For Encasing An Object In A Case	DE
98950970.8	10/7/98	69828302.3>	12/22/04	Method And Apparatus For Assembling Exhaust Components	DE
10 2004 013 185.6	3/17/04			Absorption Muffler	DE
10 2004 016 690.0	4/5/04			Ceramic Monoliths For DPF	DE
10 301436.5	1/16/03			Cooling Exhaust Gas	DE

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
10 301 437.3	1/16/03			Cooling Exhaust Gas	DE
10 2004013 458.8	3/18/04			Device For Cleaning Vehicular Exhaust Gas	DE
3255499	9/3/03	60302196.4-08	11/9/05	Emission Abatement Device	DE
103 03 910.4	1/31/03			Exhaust Gas Heat Exchanger And Bypass Assembly	DE
20040001668	1/27/04	50 2004 000 186.6-08	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	DE
10 2004 024 056.6	5/14/04			Exhaust Valve	DE
10 2004 037 865.7	8/4/04			Fast Mounting Of Manifold	DE
103 46 345.3	10/6/03			Flow Switch Subsystem	DE
103 32 537.9	7/17/03			Heat Exchanger Housing	DE
203 11 005.6	7/17/03	203 11 005.6	11/18/04	Heat Exchanger Seal	DE
103 01 438.1	1/16/03			Intergrated Cooling Circuit	DE
10 2004 024 831.1	5/19/04			Joint Reinforcement Among Bridle And Semi-Shells	DE
10 2004 013 186.4	3/17/04			Muffler With Hollow Spheres Structure	DE
102 005 006 122.2	2/10/05			Particulate Filter Assembly	DE
4250649.3	2/6/04	602004000518 .5-08	3/22/06	Silencer With Variable Tuning System And Method Of Operating Such A Silencer	DE
10355664.8	11/28/03			Thermal Management Of Integrated Emissions Reduction System	DE
10 2004 025 407.9	5/24/04			Three Layer Manifold	DE
10 2004 013 182.1	3/17/04			Tube Connection	DE
4020841 51	9/2/04	602004004016 .9-08	2/15/07	Valve Controlling System	DE
203 02 520.2	2/17/03	203 02 520.2	6/24/04	Valve For An Exhaust Pipe	DE
20040003408	2/16/04	60 2004 000 705.6-08	4/26/06	Valve For An Exhaust Pipe	DE
02 715 281.8	4/5/02			Method Of Locking Together Exhaust Components	EP
05002797.8	2/10/05			Absorption Muffler	EP
1973334.4	9/20/01			Apparatus And Process For Assembling Exhaust Processor Components	EP
050073287	4/4/05			Ceramic Monoliths For DPF	EP
050056241	3/15/05			Device For Cleaning Vehicular Exhaust Gas	EP
5250283.8	1/20/05			Electrically Controlled In-Muffler Exhaust Valve For Nvh Improvement During\Ncylinder Deactivation	EP
57055477	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	EP
32555039	9/3/03			Exhaust Processor	EP
04 013 204.5	6/4/04			Heat Exchanger Seal	EP
5732584.7	4/7/05			Interlocking Flange For An Exhaust System	EP
6026878.6	1/12/05			Method And Appararus For Controlling A Fuel-Fired Burder Of An Emission Abatement Assembly	EP
6026879.4	1/12/05			Method And Apparatus For Directing Exhaust Gas Through A Fuel-Fired Burder Of An Emission Abatement Assembly	EP

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
6026545.1	1/12/05			Method And Apparatus For Monitoring Ash Accumulation In A Particulate Filter Of An Emission Abatement Assembly	EP
6026880.2	1/12/05			Method And Apparatus For Opening An Airless Fuel Fire Burner Of An Emission Abatement Assembly	EP
42530972	5/26/04			Muffler With Helmholtz Resonator Having Multiple Degrees Of Freedom\N	EP
05 002 796.0-2311	2/10/05			Muffler With Hollow Spheres Structure	EP
52559895	9/26/05			Particulate Filter Assembly And Associated Method	EP
4252220.1	4/15/04			Thermal Management Of Exhaust Systems	EP
057463663-2311	5/24/05			Three Layer Manifold	EP
5002795.2	2/10/05			Tube Connection	EP
06255147.8	10/5/06			Exhaust Valve Bushing	EP
98947011.7	9/15/98	1037798	10/20/04	Apparatus For Encasing An Object In A Case	ES
20040001668	1/27/04	1 443 186	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	ES
4020841.5	9/2/04	1 512 851	1/3/07	Valve Controlling System	ES
20040003408	2/16/04	1 447 545	4/26/06	Valve For An Exhaust Pipe	ES
98947011.7	9/15/98	1037798	10/20/04	Apparatus For Encasing An Object In A Case	FR
98950970.8	10/7/98	1024922	12/22/04	Method And Apparatus For Assembling Exhaust Components	FR
3255499	9/3/03	1400665	11/9/05	Emission Abatement Device	FR
20040001668	1/27/04	1 443 186	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	FR
407800	7/13/04			Heat Exchanger Housing	FR
4250649.3	2/6/04	1445437	3/22/06	Silencer With Variable Tuning System And Method Of Operating Such A Silencer	FR
4020841.5	9/2/04	1 512 851	1/3/07	Valve Controlling System	FR
20040003408	2/16/04	1 447 545	4/26/06	Valve For An Exhaust Pipe	FR
98947011.7	9/15/98	1037798	10/20/04	Apparatus For Encasing An Object In A Case	GB
215914.3	5/15/98	2374029	12/31/02	Exhaust System	GB
9810601.6	5/15/98	2337710	10/15/02	Exhaust System	GB
3255499	9/3/03	1400665	11/9/05	Emission Abatement Device GB	
2004000668	1/27/04	1 443 186	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	GB
0415906.7	7/16/04	GB2404728	1/10/07	Heat Exchanger Housing	GB
20040001668	1/27/04	EP 1 443 186	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	HU
2147/KOLNP/06	1/12105			Emission Abatement Assembly And Method Of Operating The Same	IN
2148/KOLNP/06	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	IN
2I491KOLNP/06	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	IN
6076/DELNP/06	4/7/05			Interlocking Flange For An Exhaust System	IN
3430/KOLNP/06	5/24/05			Three Layer Manifold	IN

Application No.	Filing Date	Patent No.	Grant Date	Title	CC
2183/DEL/2006	10/4/06			Exhaust Valve Bushing	IN
989470117	9/15/98	1037798	10/20/04	Apparatus For Encasing An Object In A Case	IT
989509708	10/7/98	1024922	12/22/04	Method And Apparatus For Assembling Exhaust Components	IT
20040001668	1/27/04	1443186	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	IT
62-265498	10/22/87	1799269	11/12/93	Exhaust Manifold	JP
2002-579145	10/3/03			Method Of Locking Together Exhaust Components	JP
2006-549557	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	JP
2004-121061	4/16/04			Thermal Management Of Exhaust Systems	JP
10-2006-7022792	4/7/05			Interlocking Flange For An Exhaust System	KR
10-2006-7027204	5/24/05			Three Layer Manifold	KR
2006-0097755	10/9/06			Exhaust Valve Bushing	KR
PAa2000002676	9/15/98			Apparatus And Method For Encasing An Object	MX
206262	8/12/85	163632	6/8/92	Exhaust Processor	MX
PAa2000003384	10/7/98			Exhaust Processor End Cap	MX
PAa2000003386	10/7/98			Method And Apparatus For Assembling Exhaust Components	MX
26421	6/27/91	177964	5/11/95	Muffler Assembly	MX
983481	4/30/98			Noise Attenuator	MX
PAa1998001283	8/16/96	208142	6/4/02	Sound Attenuator With Throat Tuner	MX
998745	3/24/97			Stamp-Formed Muffler Having A Unitary Inner Cartridge	MX
94/1841	3/11/94	190561	12/3/98	Tab And Notch Locator For Exhaust Systems	MX
98947011.7	9/15/98	EP 1 037 798	10/20/04	Apparatus For Encasing An Object In A Case	NL
98947011.7	9/15/98	EP 1 037 798	10/20/04	Apparatus For Encashing An Object In A Case	PT
20040001668	1/27/04	EP 1 443 186 B1	12/21/05	Exhaust Gas Heat Exchanger And Bypass Assembly	TR
10/418808	4/18/03			Apparatus And Method For Regenerating A Particulate Filter Of An Exhaust System Of An Internal Combustion Engine	US
11/247443	10/11/05			Apparatus And Method For Regenerating A Particulate Filter Of An Exhaust System Of An Internal Combustion Engine	US
11/469674	9/1/06			Apparatus And Method For Regenerating A Particulate Filter With A Non-Uniformly Loaded Oxidation Catalyst	US
09/956194	9/19/01	6501042	12/31/02	Apparatus And Process For Assembling Exhaust Processor Components	US
10/443372	5/22/03			Apparatus For Reducing Particulate Emissions	US
10/641911	8/14/03	7063182	6/20/06	Baffle Support Tube	US
10/980681	11/3/04			Burner Plus EGR System	US
10/909822	8/2/04			Catalytic Converter And Associated	US

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				Method Of Assembly	
11/048430	2/1/05			Converter Assembly With Insulated Sensor Boss	US
10/603993	6/25/03	7010379	3/7/06	Converter Substrate Verification	US
11/061990	2/18/05			Device For Cleaning Vehicle Exhaust Gas	US
ll/081415	3/16/05			Device For Cleaning Vehicular Exhaust Gas	US
11/089637	3/25/05			Device For Cleaning Vehicular Exhaust Gas, In Particular A Diesel Exhaust Particle Filter, And Vehicle Comprising Such Device	US
11/500641	8/8/06			Electrically Actuated Flow Assisted Exhaust Valve	US
10/777394	2/12/04			Electrically Controlled In-Muffler Exhaust Valve For NVH Improvement During\Ncylinder Deactivation	US
10/931092	8/31/04			Emission Abatement Assembly And Method Of Operating The Same	US
10/652841	8/29/03			Emission Abatement Device And Method Of Using Same	US
10/769620	1/30/04			Exhaust Gas Heat Exchanger And Bypass Assembly	US
10/951412	9/28/04			Exhaust Gas System And Method Of Directing A Flow Of Exhaust Gas Of A Vehicular Internal Combustion Engine	US
10/775033	2/9/04			Exhaust Pipe Valve	US
10/233222	9/3/02	6694727	2/24/04	Exhaust Processor	US
10/713433	11/13/03			Exhaust Processor	US
11/568836	11/8/06			Exhaust Processor And Associated Method	US
10/467384	8/7/03			Exhaust Processor With Renewable Particulate Eliminator	US
10/068693	2/6/02	6732510	5/11/04	Exhaust Processor With Variable Tuning System	US
10/725223	12/1/03	6915876	7/12/05	Exhaust Processor With Variable Tuning System	US
10/359913	2/6/03	6901752	6/7/05	Exhaust Processor With Variable Tuning System And Method Of Operating Such Exhaust Processor	US
10/965512	10/14/04			Exhaust Silencer With Acoustic Damping Mat	US
11/450043	6/9/06			Exhaust System	US
09/912988	7/25/01	6557908	5/6/03	Exhaust System Clamp Assembly And Associated Method	US
11/332919	1/17/06			Exhaust System With Cam-Operated Valve Assembly And Associated Method	US
11/219150	9/2/05			Exhaust System With External Helmholtz Resonator And Associated Method	US
10/951412	9/28/04			Flow Switch Subsystem	US
10/894548	7120104	6918755	7/19/05	Fuel-Fired Burner With Skewed Electrode Arrangement	US
10/889412	7/12/04			Heat Exchanger Housing	US

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10/910662	8/3/04			Heat Protector	US
10/178575	6/24/02	6702190	3/9/04	Heat Transfer System For A Vehicle	US
10/952050	9/28/04			Inner Cone For Converter Assembly	US
10/849620	5/19/04			Interlocking Flange For An Exhaust System	US
101980681	11/3/04			Internal Combustion Engine Exhaust System	US
10/931020	8/31/04			Method And Apparatus For Cleaning The Electrodes Of A Fuel-Fired Burner Of An Emission Abatement Assembly	US
11/146846	6/7/05			Method And Apparatus For Controlling A Component By Feed-Forward Closed-Loop Controller State Modification	US
10/931027	8/31/04			Method And Apparatus For Controlling A Fuel-Fired Burner Of An Emission Abatement Assembly	US
11/219083	9/2/05			Method And Apparatus For Controlling Sound Of An Engine By Sound Frequency Analysis	US
10/931090	8/31/04			Method And Apparatus For Controlling The Temperature Of A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/931028	8/31/04	7118613	10/10/06	Method And Apparatus For Cooling US The Components Of A Control Unit Of An Emission Abatement Assembly	US
10/931009	8/31/04			Method And Apparatus For Directing Exhaust Gas Through A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/345681	1/6/03			Method And Apparatus For Directing US Exhaust Gas And Reductant Fluid In An Emission Abatement System	US
10/931010	8/31/04			Method And Apparatus For Monitoring Ash Accumulation In A Particulate Filter Of An Emission Abatement Assembly	US
10/931026	8/31/04			Method And Apparatus For Monitoring Ash Accumulation In A Particulate Filter Of An Emission Abatement Assembly	US
10/931091	8/31/04			Method And Apparatus For Monitoring Engine Performance As A Function Of Soot Accumulation In A Filter	US
10/931088	8/31/04			Method And Apparatus For Monitoring The Components Of A Control Unit Of An Emission Abatement Assembly	US
10/931017	8/31/04			Method And Apparatus For Operating An Airless Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/745363	12/23/03			Method And Apparatus For Regenerating A Nitrogen Oxides Absorber	US
11/677363	2/21/07			Method And Apparatus For Regenerating Filter By Engine Heat	US
11/125470	5/10/05			METHOD AND APPARATUS FOR US SELECTIVE CATALYTIC REDUCTION	US

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				OF Nox	
10/931008	8/31/04	7025810	4/11/06	Method And Apparatus For Shutting Down A Fuel-Fired Burner Of An Emission Abatement Assembly	US
10/931025	8/31/04			Method And Apparatus For Starting Up A Fuel-Fired Burner Of An Emission Abatement Assembly	US
11/118821	4/29/05			Method And Apparatus For Supplying Air To Emission I Abatement Device By Use Of Turbocharger	US
11/144283	6/3/05			Method For Assembling A Catalytic Converter	US
10/930720	8/31/04			Method For Controlling A Valve For An Exhaust System	US
10/407988	4/4/03			Mid-Bed Catalyst Sensor With Silica Insulation	US
09/939242	8/24/01			Modular Exhaust Treatment System Muffler And Heat Shield Assembly	US
10/952211	9/28/04			Muffler And Heat Shield Assembly	US
10/449406	5/30/03			MUFFLER WITH HELMHOLTZ RESONATOR HAVING MULTIPLE DEGREES OF FREEDOM\N	US
10/358511	2/5/03	6913112	7/5/05	Noise Attenuation Assembly	US
11/054808	2/10/05			Particulate Filter Assembly	US
10/951064	9/27/04			Particulate Filter Assembly And Associated Method	US
11/231556	9/21/05			Pressed Assembly For Passive Valve Installation	US
10/910662	8/3/04			Semi-Active Muffler	US
11/099359	4/5/05			Serviceable Exhaust Joint Connection	US
11/488950	7/19/06			Side Loaded Valve Assembly	US
09/855983	5/15/01	6467570	10/22/02	Spark Arrestor With Spark Filter	US
11/107345	4/15/05			Spun Extrusion Side Entry Muffler	US
11/152869	6/15/05			Swirl-Stabilized Burner For Thermal Management Of Exhaust System And Associated Method	US
11/491836	7/24/06			Thermal Isolator For Actuator And Valve Assembly	US
10/417392	4/16/03			Thermal Management Of Exhaust Systems	US
11/491864	7/24/06			Thermally Isolated Actuator With Temporary Contacting Linkage Mechanism For Exhaust Valve	US
11/569402	5/24/05			Three Layer Manifold US	US
11/251288	10/14/05			Valve Assembly With Overstroke Device And Associated Method	US
10/930720	8/31/04			Valve Controlling System	US
101775033	2/9/04			Valve For An Exhaust Pipe	US
11/174883	7/5/05			Velocity Control Of Exhaust Valve Actuation	US
11/244783	10/6/05			Exhaust Valve Bushing	US
60/812346	6/9/06			Air-Fuel Mixer	US

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60/823557	8/25/06			Apparatus And Methods For Regenerating A Particulate Filter And A NOx Absorber	US
09/508722	5/19/00	6405437	6/18/02	Apparatus And Method For Encasing An Object	US
08/157470	11/26/93	5336856	8/9/94	Electronic Muffler Assembly With Exhaust Bypass	US
09/743179	2/23/01	6575267	6/10/03	Exhaust Component Having Multiple-Plated Outer Shell	US
07/215225	7/5/88	RE33118	12/2/86	Exhaust Processor	US
07/099557	9/22/87	4783959	11/15/88	Exhaust Processor Assembly	US
09/529104	6/14/00	6253792	7/3/01	Exhaust Processor End Cap	US
10/195580	7/15/02			Exhaust System	US
09/700484	2/21/01	6422007	7/23/02	Exhaust System	US
09/897372	7/2/01	6527006	3/4/03	Exhaust Valve Assembly	US
07/886955	5/21/92	5293743	3/15/94	Low Thermal Capacitance Exhaust Processor	US
07/886963	5/21/92	5331810	7/26/94	Low Thermal Capacitance Exhaust System For An Internal Combusiton Engine	US
09/259662	2/26/99	6155091	12/5/00	Mandrel Assembly For Tube-Bending Apparatus	US
07/108002	10/14/87	4850189	7/25/89	Manifold Baffle System	US
09/529103	6/7/00	6463655	10/15/02	Method And Apparatus For Assembling Exhaust Components	US
09/627500	7/28/00			Method Of Coupling Exhaust Components To One Another	US
09/827418	4/6/01	6453558	9/24/02	Method Of Locking Together Exhaust Components	US
09/605847	6/29/00			Method Of Making Exhaust Treatment Processor	US
08/689310	8/7/96	5829132	11/3/98	Methods Of Assembling An Exhaust Processor	US
09/285546	4/2/99	6164412	12/26/00	Muffler	US
07/345141	4/28/89	4941545	7/17/90	Muffler Assembly	US
07/544408	6/27/90	5147987	9/15/92	Muffler Assembly	US
09/914905	10/30/01	6659222	12/9/03	Multi-Chambered Muffler	US
07/334901	4/7/89	4930597	6/5/90	Noise Attenuation Apparatus	US
08/846735	4/30/97	5952624	9/14/99	Noise Attenuator	US
09/408335	9/29/99			Pipe Cutter	US
07/706169	5/28/91	5229557	7/20/93	Rigidified Muffler Assembly	US
09/855402	5/15/01	6579030	6/17/03	Sensor Mount Assembly	US
8/805092	02/24/97	5801344	9/1/98	Sound Attenuator With Throat Tuner	US
09/423597	11/10/99			Spiral-Formed Exhaust Tube	US
09/601129	7/27/00	6415889	7/9/02	Stamped-Formed Muffler Apparatus And Assembly Process	US
09/264233	3/5/99	6257367	7/10/01	Stamp-Formed Muffler	US
091264234	3/5/99	6199659	3/13/01	Stamp-Formed Muffler	US
091285863	4/2/99	6135237	10/24/00	Stamp-Formed Muffler	US
08/849628	6/4/97	5949035	9/7/99	Stamp-Fanned Muffler Having A Unitary Inner Cartridge	US

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08/030633	3/12/93	5290974	3/1/94	Tab And Notch Locator For Exhaust Systems	US
081896030	7/17/97	6009737	1/4/00	Tube Bender	US
07/800853	11/27/91	5245409	9/14/93	Tube Seam Weld Inspection Device	US
06/873984	6/13/86	4689952	9/1/87	Tuned Exhaust Manifold	US
07/319069	3/6/89	4961314	10/9/90	Tuned Exhaust Processor Assembly	US
07/425308	10/23/89	5009065	4/23/91	Tuned Exhaust Processor Assembly	US
07/541083	6/19/90	5048287	9/17/91	Tuned Exhaust Processor Assembly	US
PCT/EP2005/008359	8/2/05			Heat protector	PCT
PCT/US2005/26697	7/28/05			Inner cone for Converter Assembly	PCT
PCT/US2005/32194	9/8/05			Noise Attenuation Valve assembly	PCT
PCT/US2005/44305	12/8/05			Electrically Actuated flow Assisted Exhaust valve	PCT
PCT/US2005/44849	12/12/05			Converter Assembly with Insulated Sensor boss	PCT
PCT/US2006/11123	3/27/06			Spun extrusion Side entry Muffler	PCT
PCTIUS2006/11124	3/27/06			Method for Assembling a Catalytic Converter	PCT
PCT/US2006/24992	6/26/06			Velocity control of exhaust valve actuation	PCT
PCT/US2006/28123	7/20/06			Pressed Assembly for Passive valve Installation	PCT
US2005/000939	1/12/05			Emission Abatement Assembly And Method Of Operating The Same	PCT
US2005/025411	7/19/05			Catalytic Converter And Associated Method Of Assembly	PCT
US2006/006491	2/24/06			Method And Apparatus For Supplying Air To Emission Abatement Device By Use Of Turbocharger	PCT
US2006/017657	5/8/06			Method and apparatus for selective catalytic reduction of NOx	PCT
US2006/021385	6/2/06			Method and apparatus for controlling a component by feed-forward closed-loop controller state modification	PCT
US2006/022541	6/9/06			Swirl-stabilized burner for thermal management of exhaust system and associated method	PCT
US2006/033892	8/30/06			Method and apparatus for controlling sound of an engine by sound frequency analysis	PCT
U52006/039750	10/11/06			Valve assembly with overstroke device and associated method	PCT
US2005/016701	5/12/05			Exhaust Processor And Associated Method	
PCT/US2007/065041	3/27/07			Emission Abatement Assembly	PCT
PCT/US2007/065861	4/3/07			Method And Apparatus For Operating An Emission Abatement System	PCT