

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Amendment to Security Interest

CONVEYING PARTY DATA

Name	Execution Date
Tenneco Inc. (formerly known as Tenneco Automotive Inc.)	04/07/2008
Tenneco Automotive Operating Company Inc.	04/07/2008
Tenneco International Holding Corp.	04/07/2008
Tenneco Global Holdings Inc.	04/07/2008
The Pullman Company	04/07/2008
TMC Texas Inc.	04/07/2008
Clevite Industries Inc.	04/07/2008

RECEIVING PARTY DATA

Name:	JPMorgan Chase Bank, N.A.
Street Address:	270 Park Avenue
City:	New York
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 27

Property Type	Number
Application Number:	11714718
Application Number:	11754872
Application Number:	11870012
Application Number:	11827075
Application Number:	11879199
Application Number:	11957712
Application Number:	60928968
Application Number:	11856085
Application Number:	12043498
Application Number:	12045139

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Application Number:	12061798
Application Number:	11900606
Application Number:	11900607
Application Number:	11805267
Application Number:	11879727
Application Number:	60988210
Application Number:	11955690
Application Number:	11955784
Application Number:	11955835
Application Number:	11787452
Application Number:	11724640
Application Number:	11888079
Application Number:	11897201
Application Number:	11787447
Application Number:	12070536
Application Number:	11821121
Application Number:	11897351

CORRESPONDENCE DATA

Fax Number: (312)706-9000
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 312-701-7608
Email: sjones2@mayerbrown.com
Correspondent Name: Sokya Jones
Address Line 1: 71 S. Wacker Drive
Address Line 4: Chicago, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	00638420 BELL
NAME OF SUBMITTER:	Susan Bell

Total Attachments: 13
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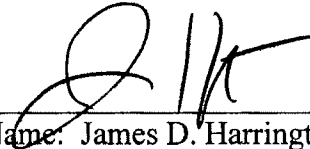
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**AMENDMENT TO SECURITY INTEREST
IN UNITED STATES PATENTS**

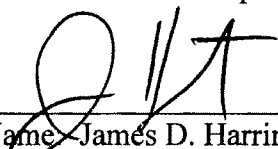
FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, Tenneco Inc. (formerly known as Tenneco Automotive Inc.), Tenneco Automotive Operating Company Inc., Tenneco International Holding Corp., Tenneco Global Holdings Inc., The Pullman Company, TMC Texas Inc. and Clevite Industries Inc., each a Delaware corporation (each, a “Grantor” and collectively, “the Grantors”) with principal offices at 500 North Field Drive, Lake Forest, Illinois 60045 and JPMorgan Chase Bank, N.A., as Administrative Agent, with principal offices at 270 Park Avenue, New York, New York 10017 (the “Administrative Agent”), hereby agree to amend and restate Schedule A to the Security Interest in United States Patents executed by Grantors and Administrative Agent on June 19, 2003 and recorded at the U.S. Patent and Trademark Office (the “Security Interest”). Schedule A was previously amended and restated in its entirety pursuant to the Amendment to Security Interest in United States Patents executed by Grantors and Administrative Agent in March 2007 and recorded at the U.S. Patent and Trademark Office. Schedule A to the Security Interest, as amended and restated, shall be further amended to include Schedule B attached hereto.

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of the 7th
day of April, 2008.

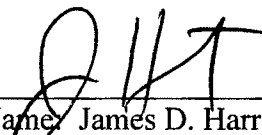
Tenneco Inc.

By: 
Name: James D. Harrington
Title: Vice President - Law

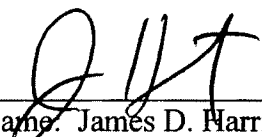
Tenneco Automotive Operating Company Inc.

By: 
Name: James D. Harrington
Title: Vice President - Law

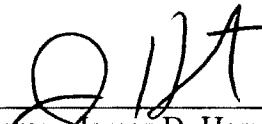
Tenneco International Holding Corp.

By: 
Name: James D. Harrington
Title: Vice President - Law

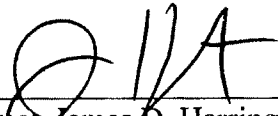
Tenneco Global Holdings Inc.

By: 
Name: James D. Harrington
Title: Vice President - Law

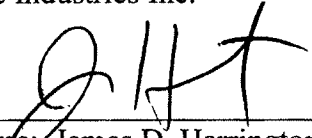
The Pullman Company

By: 
Name: James D. Harrington
Title: Vice President - Law

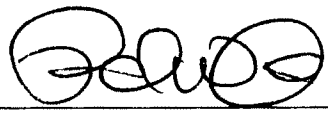
TMC Texas Inc.

By: 
Name: James D. Harrington
Title: Vice President - Law

Clevite Industries Inc.

By: 
Name: James D. Harrington
Title: Vice President - Law

JPMorgan Chase Bank, N.A., as
Administrative Agent

By: 
Name:
Title: **RICHARD W. DUKER**
MANAGING DIRECTOR

SCHEDULE B

See Attached.

Patent Lis/Status (by Matter Number)

Matter Number:	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
1316E-P00003	United States of America	04	CIP	11/714718	05-Mar-2007					Pending	

Owner: Combustion Components Associates, I
Client: Tenneco Automotive Operating
Agent:
Title: Methods And Apparatus For Injecting Atomized Fluid
Attorneys: HKM SME
Client Reference:
Agent Reference:

1316E-P00004	United States of America	02	ORD	11/754872	29-May-2007					Pending	
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Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Methods And Apparatus For Injecting Atomized Fluid At A Low Flow Rate
Attorneys: HKM SME
Client Reference:
Agent Reference:

1316E-P00005	United States of America	02	ORD	11/870012	10-Oct-2007					Pending	
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Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Dual Injector System For Diesel Emissions Control
Attorneys: HKM SME
Client Reference:
Agent Reference:

HDP Number: 1316E-000004/US

HDP Number: 1316E-000003/US/CPC

HDP Number: 1316E-000005/US

Patent List/Status (by Matter Number)

Matter Number:	Country	Sub Case	Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
1316C-P00095	United States of America	02	ORD	11/827075	10-Jul-2007	2008/0018031A1	24-Jan-2008			Published	
<u>Owner:</u> The Pullman Company <u>Client:</u> Tenneco Automotive Operating <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: 2787, 2788; Division: Prosecution - NARC <u>Agent Reference:</u>											
<u>Title:</u> Very High Damping Body Mount, Subframe Mount Or Engine Mount With Bolt-Through Construction <u>Agent:</u>											
1316C-P00096	United States of America	01	ORD	11/879199	16-Jul-2007					Pending	
<u>Owner:</u> The Pullman Company <u>Client:</u> Tenneco Automotive Operating <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: D-2796; Division: Prosecution - Elastomers <u>Agent Reference:</u>											
<u>Title:</u> Bushing Having High Axial Spring Rate And Method Of Manufacturing <u>Agent:</u>											
1316C-P00097	United States of America	01	ORD	11/957712	17-Dec-2007					Abandoned	
<u>Owner:</u> The Pullman Company <u>Client:</u> Tenneco Automotive Operating <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: D-2797; Division: Prosecution - Elastomers <u>Agent Reference:</u>											
<u>Title:</u> Adhesive Bond Enhancement Chocolate Bar Pattern <u>Agent:</u>											

HDP Number: 1316C-000095/US

HDP Number: 1316C-000096/US

HDP Number: 1316C-000097/US

Patent List/Status (by Matter Number)

Matter Number:	Country	Sub Case	Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
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1316C-P00098	United States of America	01	PRO	60/8228968	11-May-2007					Pending	
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Owner: The Pullman Company
Client: Tenneco Automotive Operating

Attorneys: HKM MJS
Client Reference: Client Ref. 1: D-2773;
 Division: Prosecution -
 Elastomers

Agent:
Title: Self-Lubricating Elastomer Overmold

Agent Reference:

1316C-P00099	United States of America	01	ORD	11/856085	17-Sep-2007					Pending	
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Owner: The Pullman Company
Client: Tenneco Automotive Operating

Attorneys: HKM MJS
Client Reference: Client Ref. 1: D-na;
 Division: Prosecution -
 Elastomers

Agent:
Title: Self-Constrained Dynamic Damper

Agent Reference:

1316C-P00100	United States of America	01	PRI	12/043498	06-Mar-2008					Pending	
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Owner: The Pullman Company
Client: Tenneco Automotive Operating

Attorneys: HKM MJS
Client Reference: Client Ref. 1: D-2808;
 Division: Prosecution -
 Elastomers

Agent:
Title: Isolator

Agent Reference:

HDP Number: 1316C-000100/US

HDP Number: 1316C-000098/US

Wednesday, April 09, 2008

Patent List/Status (by Matter Number)

Page: 3 of 3

Matter Number:	Country	Sub Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
1316C-P00101	United States of America	01 PRI	12/045139	10-Mar-2008					Pending	
<u>Owner:</u> The Pullman Company										
<u>Client:</u> Tenneco Automotive Operating										
<u>Agent:</u>										
<u>Title:</u> External Shear-Hub Isolator										
<u>Attorneys:</u> HKM MJS										
<u>Client Reference:</u> Client Ref. 1: D-2805; Division: Prosecution - Elastomers										
<u>Agent Reference:</u>										
1316C-P00103	United States of America	01 ORD	12/061798	03-Apr-2008					Unofficial	
<u>Owner:</u> The Pullman Company										
<u>Client:</u> Tenneco Automotive Operating										
<u>Agent:</u>										
<u>Title:</u> Curled Bushing With Torsional Slip										
<u>Attorneys:</u> HKM MJS										
<u>Client Reference:</u> Client Ref. 1: D-2807; Division: Prosecution - Elastomers										
<u>Agent Reference:</u>										

HDP Number: 1316C-000103/US

HDP Number: 1316C-000101/US

PATENT

REEL: 020857 FRAME: 0871

Patent Lisv/Status (by Matter Number)

Matter Number:	Country	Sub Case	Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
1316N-P01656	United States of America	02	DIV	11/900607	12-Sep-2007	2008/0006494A1	10-Jan-2008			Published	
<u>Owner:</u> Tenneco Automotive Operating Company Inc. <u>Client:</u> Tenneco Automotive Operating <u>Agent:</u> <u>Title:</u> Electronically Controlled Frequency Dependent Damping <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: 2930, 2931, 2932; Division: Prosecution - NARC <u>Agent Reference:</u>											
1316N-P01656	United States of America	03	DIV	11/900607	12-Sep-2007	2008/0006495A1	10-Jan-2008			Published	
<u>Owner:</u> Tenneco Automotive Operating Company Inc. <u>Client:</u> Tenneco Automotive Operating <u>Agent:</u> <u>Title:</u> Electronically Controlled Frequency Dependent Damping <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: 2930; Client Ref. 2: 2931; Client Ref. 3: 2932; Division: Prosecution - NARC <u>Agent Reference:</u>											
1316N-P01671	United States of America	02	REI	11/805267	22-May-2007					Pending	
<u>Owner:</u> Tenneco Automotive Operating Company Inc. <u>Client:</u> Tenneco Automotive Operating <u>Agent:</u> <u>Title:</u> Temperature Compensated Dual Acting Slip <u>Attorneys:</u> HKM MJS <u>Client Reference:</u> Client Ref. 1: 2941; Division: Prosecution - NARC <u>Agent Reference:</u>											

HDP Number: 1316N-001656/US/DVC

HDP Number: 1316N-001656/US/DVB

HDP Number: 1316N-001671/US/REB

Patent List/Status (by Matter Number)

Matter Number:	Sub Case	Type	Case Application No.	Publication No.	Patent No.	Status
Country	Case	Type	Filing Date	Publication Date	Patent Date	Expiration Date
1316N-P01690	02	REI	11/87/9727			Pending
United States of America						
18-Jul-2007						
Owner: Tenneco Automotive Operating Company Inc.						
Client: Tenneco Automotive Operating						
Attorneys: HKM MJS						
Client Reference: Client Ref. 1: 2980;						
Division: Prosecution - NARC						
Agent Reference:						
Title: Monotube Piston Valving System With Selective Bleed						
HDP Number: 1316N-001690/US/REB						

1316N-P01694	01	PRO	60/988210			Pending
United States of America						
15-Nov-2007						
Owner: Tenneco Automotive Operating Company Inc.						
Client: Tenneco Automotive Operating						
Attorneys: HKM MJS						
Client Reference: Client Ref. 1: D-2282;						
Division: Prosecution - EURC						
Agent Reference:						
Title:						
HDP Number: 1316N-001694/US/PS1						

1316N-P01712A	02	ORD	11/955690			Pending
United States of America						
13-Dec-2007						
Owner: Tenneco Automotive Operating Company Inc.						
Client: Tenneco Automotive Operating						
Attorneys: HKM MJS						
Client Reference: Division: Tenneco						
Prosecution-NARC						
Agent Reference:						
Title: Connectable-Disconnectable Shroud-Connector- Adapter						
HDP Number: 1316N-001712/US						

1316N-P01713A	02	ORD	11/955784			Pending
United States of America						
13-Dec-2007						
Owner: Tenneco Automotive Operating Company Inc.						
Client: Tenneco Automotive Operating						
Attorneys: HKM MJS						
Client Reference: Division: Tenneco						
Prosecution-NARC						
Agent Reference:						
Title: Method Of Manufacture Of A Molded Hollow Using Tangential Structures						
HDP Number: 1316N-001713/US						

Patent Lis/Status (by Matter Number)

Matter Number:	Country	Sub Case	Type	Application No.	Filing Date	Publication No.	Patent No.	Status	Expiration Date
1316N-P01714A	United States of America	02	ORD	11/955835	13-Dec-2007			Pending	

Owner: Tenneco Automotive Operating Company Inc.

Client: Tenneco Automotive Operating

Agent:

Title: Method Of Manufacture Using Heat Forming

Attorneys: HKM MJS

Client Reference: Division: Tenneco
Prosecution-NARC

Agent Reference:

1316N-P01716	United States of America	01	ORD	11/787452	16-Apr-2007			Pending	
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Owner: Tenneco Automotive Operating Company Inc.

Client: Tenneco Automotive Operating

Agent:

Title: Shock Absorber Having A Continuously Variable Valve With Base Line Valving

Attorneys: HKM MJS

Client Reference: Client Ref. 1: D-3012

Agent Reference:

1316N-P01717	United States of America	01	ORD	11/724640	15-Mar-2007			Pending	
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Owner: Tenneco Automotive Operating Company Inc.

Client: Tenneco Automotive Operating

Agent:

Title: Shock Absorber Dirt Shield

Attorneys: HKM MJS

Client Reference: Client Ref. 1: D-2273

Agent Reference:

1316N-P01718	United States of America	01	ORD	11/888079	31-Jul-2007			Pending	
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Owner: Tenneco Automotive Operating Company Inc.

Client: Tenneco Automotive Operating

Agent:

Title: Semi Third Tube Design

Attorneys: HKM MJS

Client Reference: Client Ref. 1: D-3028

Agent Reference:

HDP Number: 1316N-001718/US

HDP Number: 1316N-001717/US

HDP Number: 1316N-001716/US

Patent List/Status (by Matter Number)

Matter Number:	Sub Case	Application No.	Publication No.	Patent No.	Status
Country	Type	Filing Date	Publication Date	Date	Expiration Date

1316N-P01719	01	ORD	11/897201		Pending
United States of America					

Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Disc Spring Intake

Attorneys: HKM MJS
Client Reference: Client Ref. 1: D-3029
Agent Reference:

HDP Number: 1316N-001719/US

1316N-P01720	01	ORD	11/787447		Pending
United States of America					

Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Rod Assembly Weld

Attorneys: HKM MJS
Client Reference: Client Ref. 1: D-3030
Agent Reference:

HDP Number: 1316N-001720/US

1316N-P01722	02	ORD	12/070536		Pending
United States of America					

Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Positioning Feature And Method For Precise Vehicle Heights

Attorneys: HKM MJS
Client Reference: Client Ref. 1: 2270;
 Division: Prosecution -
 NARC
Agent Reference:

HDP Number: 1316N-001722/US

1316N-P01723	01	ORD	11/821121		Pending
United States of America					

Owner: Tenneco Automotive Operating Company Inc.
Client: Tenneco Automotive Operating
Agent:
Title: Junction Bleed

Attorneys: HKM MJS
Client Reference: Client Ref. 1: 3024
Agent Reference:

HDP Number: 1316N-001723/US

Wednesday, April 09, 2008

Patent Lis/Status (by Matter Number)

Page: 5 of 5

Matter Number:	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Expiration Date
1316N-P01724	01	ORD	11/897351	30-Aug-2007					Pending	
United States of America										HDP Number: 1316N-001724/US

Owner: Tenneco Automotive Operating Company Inc.

Client: Tenneco Automotive Operating

Attorneys: HKM MJS

Client Reference: Client Ref. 1: D-3036; Division: Prosecution - EURC

Agent:

Title: Shock Absorber Having A Full Displacement Valve Assembly

Agent Reference:

PATENT