



103112189

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Northrop Grumman Space & Mission Systems Corp.

2. Name and address of receiving party(ies)

Name: TRW Automotive U.S. LLC

Internal Address: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: February 27, 2003

Street Address: 12025 Tech Center Drive

City: Livonia State: MI Zip: 48150

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No.(s)

USSN - 09/944,873, filed 8/31/01

B. Patent No.(s)

6,386,583, issued 5/14/02
6,173,495, Issued 1/16/01

Additional numbers attached? Yes No

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

Name: Thomas L. Tarolli, Esq.

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo LLP

1111 Leader Building

Street Address: 526 Superior Avenue

City: Cleveland State: Ohio Zip: 44114-1400

6. Total number of applications and patents involved: 3

7. Total fee (37 CFR 3.41).....\$120.00

Enclosed

Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE SPACE

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

Thomas L. Tarolli
Name of Person Signing
Reg. No. 20,177

Signature

10/27/05
Date

Total number of pages including cover sheet, attachments, and document: **93**

Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

11/01/2005 ECOOPER 00000004 09944873

01 FC:0021

120.00 DP

PATENT ASSIGNMENT

This Patent Assignment (this "Assignment") is made as of February 27, 2003 by Northrop Grumman Space & Mission Systems Corp., (formerly TRW Inc.), an Ohio corporation ("Assignor") and TRW Automotive U.S. LLC, a Delaware limited liability company ("Assignee").

RECITALS

WHEREAS, BCP Acquisition Company LLC, a Delaware limited liability company (the "Purchaser") and Northrop Grumman Corporation, a Delaware corporation, have entered into a Master Purchase Agreement (the "Master Purchase Agreement"), dated as of November 18, 2002, providing for the purchase by Purchaser of Assignor's Automotive Business (as defined in the Master Purchase Agreement);

WHEREAS, pursuant to the Master Purchase Agreement, Assignor desires to assign to Assignee all of Assignor's right, title, and interest in and to all of the Patents (as defined in the Master Purchase Agreement) that are owned by Assignor and constitute Company Intellectual Property (as defined in the Master Purchase Agreement), including without limitation the patents and applications listed on Exhibit A attached hereto and incorporated herein (the "Assignee Patents"); and

WHEREAS, to effect such assignment of the Assignee Patents to Assignee, Assignor desires to assign to Assignee all of Assignor's right, title, and interest in and to all of the Assignee Patents.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Master Purchase Agreement, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and the covenants and agreements in this Assignment and to induce Assignee to consummate the transactions contemplated by the Master Purchase Agreement, the Assignor hereby agree as follows:

1. Grant. Effective as of January 1, 2003, Assignor does hereby sell, transfer, convey, assign and deliver to Assignee all of the Assignor's right, title, and interest in and to the Assignee Patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for damages by reason of past infringements of the Assignee Patents, along with the right to sue for and collect such damages for the use and benefit of Assignee and Assignee's successors, assigns and other legal representatives.

2. Representations and Warranties of the Parties. Each party warrants that (i) this Assignment is a legal, valid and binding obligation of the warranting party, (ii) it has full power and authority to enter into and perform its obligations under this Assignment in accordance with its terms, and (iii) it is and will remain free of any obligations and restrictions that would prevent

or impede its performance of its obligations under this Assignment. For the avoidance of doubt, the representations and warranties contained in this Assignment shall not in any way limit or expand the representations and warranties contained in the Master Purchase Agreement.

3. Further Assurances. Each party will, without additional consideration, take such further actions and execute promptly such further documents as are necessary to effect and record the above assignment, including any actions or documents required by the applicable registrar to document the transfer herein or as may be necessary to protect, secure and vest good, valid and marketable title to the Assignee Patents and related rights in Assignee.

4. Recording of Assignment. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue Patents or other evidence or forms of intellectual property protection or applications as, to issue the same to Assignee and Assignee's successors, assigns and other legal representatives in accordance with the terms of this instrument.


5. Counterparts. This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same agreement, and shall become effective when one or more such counterparts have been signed by each of the parties and delivered to the other party.

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IN WITNESS WHEREOF, this Assignment has been executed as of the day and year first written above.

ASSIGNOR:

**NORTHROP GRUMMAN SPACE & MISSION
SYSTEMS CORP.**

By: 
Name: Albert Myess
Its: President

ASSIGNEE:

TRW AUTOMOTIVE U.S. LLC

By: _____
Name: _____
Its: _____

Acknowledgement by Notary Public

State of New York

County of New York

On this 27th day of February, 2003, before me, the undersigned Notary Public, personally appeared Albert Myers, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

Seal:

Signature: RAH

Name: Robert Hanski, Notary Public

ROBERT G. HANSKI
NOTARY PUBLIC, State of New York
No. 02286063805
Qualified in New York County
Commission Expires Sept. 4, 2005

IN WITNESS WHEREOF, this Assignment has been executed as of the day and year first written above.

ASSIGNOR:

**NORTHROP GRUMMAN SPACE & MISSION
SYSTEMS CORP.**

By: _____
Name: _____
Its: _____

ASSIGNEE:

TRW AUTOMOTIVE U.S. LLC

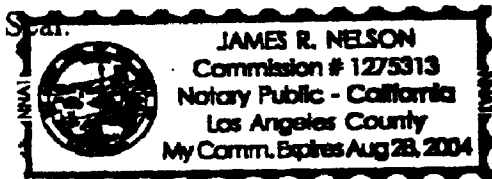
By: Kathleen M. Salmas
Name: Kathleen M. Salmas
Its: Secretary

Acknowledgement by Notary Public

State of California

County of Los Angeles

On this 27th day of February, 2003, before me, the undersigned Notary Public, personally appeared Kathleen M. Salmas, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.



Signature: *James R. Nelson*
Name: JAMES R. NELSON, Notary Public

EXHIBIT A

001189-04	JP	166	Valve Division	3737/84	1/13/1984	1,602,715	3/29/1991	Valve Rotating Device	DO NOT ABANDON - LICENSED TO FUJI OOZK.
001292-02	US	273	Transportation Electronics Division	744,893	6/14/1985	4,574,267	3/4/1986	Tire Pressure Warning System	
001296-04	ES	126	Commercial Steering Division	523,105	6/8/1983	523,105	2/28/1984	Steering Apparatus	
001296-06	CA	126	Commercial Steering Division	429,395	6/1/1983	1,204,673	5/20/1986	Steering Apparatus	
001298-05	KR	145	S & S Sterling Hts.	83-3666	8/5/1983	28,537	7/21/1989	Electrically Assisted Rack And Pinion Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-06	ES	145	S & S Sterling Hts.	524,753	8/4/1983	524,753	4/16/1984	Electrically Assisted Rack And Pinion Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-07	AU	145	S & S Sterling Hts.	17482/83	8/1/1983	564,833	12/3/1987	Electrically Assisted Rack And Pinion Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-11	FR	145	S & S Sterling Hts.	83107499.2	7/29/1983	EP0101579	4/26/1989	Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-12	IT	145	S & S Sterling Hts.	83107499.2	7/29/1983	EP0101579	4/26/1989	Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-13	DE	145	S & S Sterling Hts.	EP0101579	7/29/1983	P3379723.4	4/26/1989	Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-14	GB	145	S & S Sterling Hts.	83107499.2	7/29/1983	EP0101579	4/26/1989	Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001298-15	SE	145	S & S Sterling Hts.	83107499.2	7/29/1983	EP0101579	4/26/1989	Steering Gear	LICENSED TO NSK - DO NOT ABANDON
001361-05	CA	273	Transportation Electronics Division	451,294	4/4/1984	1,235,781	4/26/1988	Doppler Radar Velocity Measurement Apparatus	
001367-00	US	145	S & S Sterling Hts.	06/496,619	5/20/1983	4,557,342	12/10/1985	Hydraulic Apparatus	
001368-00	US	145	S & S Sterling Hts.	493,154	5/10/1983	4,554,817	11/26/1985	Valve Sleeve Shaping Method	
001399-00	US	273	Transportation Electronics Division	513,823	7/15/1983	4,572,948	2/25/1986	Position Indicator Employing Light Guides	
001727-00	US	126	Commercial Steering Division	06/785,983	10/10/1985	4,648,307	3/10/1987	Unloading Valve For Power Steering Piston With Integral Gear	
001727-02	ES	126	Commercial Steering Division	86/02527	10/9/1986	86/02527	8/4/1988	Unloading Valve For Integral Gear	
001727-05	BR	126	Commercial Steering Division	P18604934	10/9/1986	P18604934	9/24/1991	Unloading Valve For Integral Gear	
001795-00	US	145	S & S Sterling Hts.	676,522	11/30/1984	4,598,787	7/8/1986	Control Apparatus For Power Assist Steering System	
001795-02	MX	145	S & S Sterling Hts.	000,774	11/29/1985	160,331	2/8/1990	Control Apparatus Power Assist Steering System	

Automotive Patents and Applications Owned by TRW Inc. as of 21 Feb 2003

001795-03	AU	145	S & S Sterling Hts.	49899/85	11/14/1985	564,524	11/18/1987	Control Apparatus For Power Assist Steering System
001795-04	ES	145	S & S Sterling Hts.	549,456	11/29/1985	549,456	9/16/1987	Control Apparatus For Power Assist Steering System
001795-05	KR	145	S & S Sterling Hts.	85-8942	11/29/1985	32,566	4/13/1990	Control Apparatus For Power Assist Steering System
001795-06	BR	145	S & S Sterling Hts.	PI8505939	11/27/1985	PI8505939	5/29/1990	Control Apparatus For Power Assist Steering System
001795-07	JP	145	S & S Sterling Hts.	268256/85	11/15/1985			Control Apparatus For Power Assist Steering System
001795-08	CA	145	S & S Sterling Hts.	496,526	11/29/1985	1,256,534	6/27/1989	Control Apparatus Power Assist Steering System
001795-09	DE	145	S & S Sterling Hts.	EP0183172	11/19/1985	P3581705.4-C(2/6/1991		Control Apparatus For Power Assist Steering System
001795-10	SE	145	S & S Sterling Hts.	85114705.8	11/19/1985	EP0183172	2/6/1991	Control Apparatus For Power Assist Steering System
001795-11	FR	145	S & S Sterling Hts.	85114705.8	11/19/1985	EP0183172	2/6/1991	Control Apparatus For Power Assist Steering System
001795-12	IT	145	S & S Sterling Hts.	85114705.8	11/19/1985	EP0183172	2/6/1991	Control Apparatus For Power Assist Steering System
001795-13	GB	145	S & S Sterling Hts.	85114705.8	11/19/1985	EP0183172	2/6/1991	Control Apparatus For Power Assist Steering System
001822-00	US	145	S & S Sterling Hts.	06790,468	10/23/1985	4,800,974	1/31/1989	Improved Electric Steering Gear
001822-02	CA	145	S & S Sterling Hts.	521,093	1/22/1986	1,262,951	11/14/1989	Improved Electric Steering Gear
001823-00	US	145	S & S Sterling Hts.	790,376	10/23/1985	4,660,671	4/28/1987	Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-02	CA	145	S & S Sterling Hts.	521,100	10/22/1986	1,262,952	11/14/1989	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-03	BR	145	S & S Sterling Hts.	PI8606941	10/14/1986	PI8606941	10/29/1991	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-04	KR	145	S & S Sterling Hts.	87-700543	6/23/1987	56,848	11/27/1992	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-05	AU	145	S & S Sterling Hts.	65247/86	10/14/1986	592,508	4/26/1990	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-06	JP	145	S & S Sterling Hts.	505538/86	10/14/1986	2,133,858	12/12/1997	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-07	FR	145	S & S Sterling Hts.	86906600.1	10/14/1986	EP0248034	12/13/1989	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-09	IT	145	S & S Sterling Hts.	24515BE/89	10/14/1986	EP0248034	12/13/1989	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON
001823-10	DE	145	S & S Sterling Hts.	EP0248034	10/14/1986	P3667448.6	12/13/1989	Improved Electric Steering Gear LICENSED TO NSK -- DO NOT ABANDON

001823-12	GB	145	S & S Sterling Hts.	86906600.1	10/14/1986	EP0248034	12/13/1989	Improved Electric Steering Gear	LICENSED TO NSK -- DO NOT ABANDON
001873-00	US	126	Commercial Steering Division	06/813,715	12/27/1985	4,649,769	3/17/1987	Tilt-Telescope Steering Column	
001879-00	US	126	Commercial Steering Division	835,167	3/3/1986	4,703,546	11/3/1987	Method And Apparatus For Forming Valve Cores	
001879-02	BR	126	Commercial Steering Division	P18700971	2/27/1987	P18700971.4	1/31/1995	Method And Apparatus For Forming Valve Cores	
001879-08	ES	126	Commercial Steering Division	EP0236797	2/17/1987	2,038,130	1/13/1993	Method And Apparatus For Forming Valve Cores	
001881-00	US	145	S & S Sterling Hts.	861,054	5/8/1986	4,666,014	5/19/1987	Floating Ball-Nut For An Electric Assist Steering System	
001881-02	US	145	S & S Sterling Hts.	07/017,562	2/24/1987	4,773,497	9/27/1988	Floating Ball-Nut For An Electric Assist Steering Gear	
001881-03	JP	145	S & S Sterling Hts.	39983/87	2/23/1987	2,049,284	4/25/1996	Floating Ball-Nut For Electric Assist Steering	C
001881-04	IT	145	S & S Sterling Hts.	26056/BE/90	1/23/1987	EP0244556	12/19/1990	Floating Ball-nut For Electric Assist Steering	
001881-05	DE	145	S & S Sterling Hts.	EP0244556	1/23/1987	P3766747.5	12/19/1990	Floating Ball Nut For Electric Assist Steering	
001881-06	GB	145	S & S Sterling Hts.	87100907.2	1/23/1987	EP0244556	12/19/1990	Floating Ball-nut For Electric Assist Steering	
001901-01	ES	690	TRW Fastening Systems	295,924	6/12/1985	295,924	6/1/1988	Fastening Device	
001901-03	CA	690	TRW Fastening Systems	483,761	6/12/1985	1,258,595	8/22/1989	Fastening Device	
001901-04	JP	690	TRW Fastening Systems	120339/85	6/3/1985	2,137,399	7/17/1998	Fastening Device	
001901-05	AU	690	TRW Fastening Systems	43456/85	6/7/1985	584,339	5/25/1989	Fastening Device	
001901-06	US	690	TRW Fastening Systems	915,894	10/16/1986	4,756,654	7/12/1988	Fastening Device	
001901-07	FR	690	TRW Fastening Systems	85304048.3	6/7/1985	EP0165026	10/11/1989	Fastening Device	
001901-08	DE	690	TRW Fastening Systems	EP0165026	6/7/1985	P3573641.0	10/11/1989	Fastening Device	
001901-10	GB	690	TRW Fastening Systems	85304048.3	6/7/1985	EP0165026	10/11/1989	Fastening Device	
002163-00	US	145	S & S Sterling Hts.	875,104	6/17/1986	4,714,262	12/22/1987	Variable Length Tie Rod Assembly	
002194-00	US	145	S & S Sterling Hts.	07/886,232	7/16/1986	4,725,159	2/16/1988	Bearing For A Joint	
002194-01	DE	145	S & S Sterling Hts.	P3723548.6	7/16/1987	P3723548	6/24/1993	Bearing For A Joint	

002194-02	US	145	S & S Sterling Hts.	07/090,784	8/28/1987	4,797,019	1/10/1989	Bearing For A Joint
002194-04	JP	145	S & S Sterling Hts.	178154/87	7/16/1987	2,525,008	5/31/1996	Bearing For A Joint
002194-05	DE	145	S & S Sterling Hts.	F3745044.1	8/19/1992	P3745044	8/18/1994	Bearing For A Joint
002209-03	BR	126	Commercial Steering Division	PI8704840	9/21/1987	PI8704840	5/26/1992	Apparatus For Establishing Steering Feel DO NOT ABANDON - LICENSED TO PARKER HANNIFIN
002239-00	US	145	S & S Sterling Hts.	07/015,281	2/17/1987	4,811,813	3/14/1989	Center Take-Off Electric Rack And Pinion Steering Gear
002239-02	JP	145	S & S Sterling Hts.	313123/87	12/10/1987	1,978,916	10/17/1995	Center Take-off Electric Rack And Pinion Steering Gear
002239-03	CA	145	S & S Sterling Hts.	551,747	11/13/1987	1,281,972	3/26/1991	Center Take-off Electric Rack And Pinion Steering Gear
002239-04	FR	145	S & S Sterling Hts.	87117052.8	11/19/1987	EP0279034	2/3/1993	Center Take-off Electric Rack And Pinion Steering Gear
002239-05	DE	145	S & S Sterling Hts.	EP0279034	11/19/1987	P3784052.5-4	2/3/1993	Center Take-off Electric Rack And Pinion Steering Gear
002239-06	GB	145	S & S Sterling Hts.	87117052.8	11/19/1987	EP0279034	2/3/1993	Center Take-off Electric Rack And Pinion Steering Gear
002239-07	IT	145	S & S Sterling Hts.	87117052.8	11/19/1987	EP0279034	2/3/1993	Center Take-off Electric Rack And Pinion Steering Gear
002239-08	ES	145	S & S Sterling Hts.	EP0279034	11/19/1987	2,038,982	2/3/1993	Center Take-off Electric Rack And Pinion Steering Gear
002278-00	US	145	S & S Sterling Hts.	058,243	6/4/1987	4,800,764	1/31/1989	Apparatus For Sensing Relative Rotation Between Members
002315-03	BR	126	Commercial Steering Division	PI8803615	7/19/1988	PI8803615	7/2/1991	Electrical Commutation Apparatus DO NOT ABANDON - LICENSED TO PARKER HANNIFIN
002316-00	US	126	Commercial Steering Division	073,711	7/15/1987	4,872,393	10/10/1989	Steering Gear With Recirculation Check Valve
002316-04	US	126	Commercial Steering Division	316,472	2/27/1989	4,942,803	7/24/1990	Steering Gear With Pressure-Balanced Valve
002316-06	DE	126	Commercial Steering Division	EP0299250	6/23/1988	P3852974.2-4	2/8/1995	Steering Gear
002316-07	ES	126	Commercial Steering Division	EP0299250	6/23/1988	2,070,835	2/8/1985	Steering Gear
002316-12	DE	126	Commercial Steering Division	EP0626305	6/23/1988	P3856245.6-8	8/19/1998	Steering Gear
002316-13	ES	126	Commercial Steering Division	EP0626305	6/23/1988	2,122,105	8/19/1998	Steering Gear
002395-00	US	126	Commercial Steering Division	07/093,802	9/4/1987	4,768,605	9/6/1988	Apparatus For Use In A Power Steering System
002395-08	ES	126	Commercial Steering Division	EP0305877	8/24/1988	2,046,262	9/29/1993	Apparatus For Use In A Power Steering System

002401-00	US	145	S & S Sterling Hts.	078,840	7/28/1987	4,819,545	4/11/1989	Power Steering System
002401-02	JP	145	S & S Sterling Hts.	183419/88	7/22/1988	2,116,821	12/6/1996	Power Steering System
002401-03	DE	145	S & S Sterling Hts.	EP0302267	7/13/1988	P3882295.4	7/14/1993	Power Steering System
002401-04	ES	145	S & S Sterling Hts.	EP0302267	7/13/1988	2,042,654	7/14/1993	Power Steering System
002401-05	FR	145	S & S Sterling Hts.	88111194.2	7/13/1988	EPO302267	7/14/1993	Power Steering System
002401-06	GB	145	S & S Sterling Hts.	88111194.2	7/13/1988	EPO302267	7/14/1993	Power Steering System
002401-07	IT	145	S & S Sterling Hts.	27054/BE/93	7/13/1988	EPO302267	7/14/1993	Power Steering System
002430-00	US	126	Commercial Steering Division	07/136,146	12/21/1987	4,773,303	9/27/1988	Apparatus And Method For Readjusting Pressure Relief Poppet Valves
002430-02	BR	126	Commercial Steering Division	P18806744	12/20/1988	P18806744	3/30/1993	Apparatus And Method For Readjusting Pressure Relief Poppet Valves
002430-09	ES	126	Commercial Steering Division	EP0321756	12/11/1988	2,046,277	9/29/1993	Apparatus And Method For Re-adjusting Pressure Relief Poppet Valves
002439-00	US	273	Transportation Electronics Division	134,953	12/18/1987	4,825,148	4/25/1989	Impedance Measurement Circuit
002442-00	US	145	S & S Sterling Hts.	07/142,837	1/6/1988	4,887,682	12/19/1989	Method And Apparatus For Nullifying Electrical Offsets In A Torsion Sensor
002442-02	JP	145	S & S Sterling Hts.	1143/89	1/6/1989	1,958,314	8/10/1995	Method And Apparatus For Nullifying Electrical Offsets In A Torsion Sensor
002442-04	DE	145	S & S Sterling Hts.	EP0323640	12/29/1988	P3887867.4	12/16/1994	Method And Apparatus For Nullifying Electrical Offsets In A Torsion Sensor
002442-06	IT	145	S & S Sterling Hts.	22590/BE/94	12/29/1988	EP0323640	2/16/1994	Method And Apparatus For Nullifying Electrical Offsets In A Torsion Sensor
002443-00	US	273	Transportation Electronics Division	140,380	1/4/1988	4,903,011	2/20/1990	Lamp Drive Circuit
002445-00	US	145	S & S Sterling Hts.	155,820	2/12/1988	4,896,752	1/30/1990	Vehicle Strut
002445-01	GB	145	S & S Sterling Hts.	89/02563.9	2/6/1989	2,215,810	5/13/1992	Vehicle Strut
002445-02	DE	145	S & S Sterling Hts.	P3904071.2	2/10/1989	P3904071.2	7/11/1991	Vehicle Strut
002445-03	JP	145	S & S Sterling Hts.	32512/89	2/10/1989	2,506,431	4/2/1996	Vehicle Strut
002446-00	US	145	S & S Sterling Hts.	162,634	3/1/1988	4,828,237	5/9/1989	Reduced Length Macpherson Strut
002447-00	US	145	S & S Sterling Hts.	07/158,927	2/22/1988	4,887,486	12/19/1989	Linkage Component

002448-00	US	145	S & S Sterling Hts.	07/160,486	2/25/1988	4,790,522	12/13/1988	Electroviscous Fluid Control Device
002457-00	US	273	Transportation Electronics Division	184,831	4/22/1988	4,835,513	5/30/1989	Method And Apparatus For Testing An Air Bag Restraint System
002475-00	US	145	S & S Sterling Hts.	178,926	4/7/1988	4,890,949	1/2/1990	Tie Rod End
002475-02	JP	145	S & S Sterling Hts.	89599/89	4/7/1989	1,975,186	9/27/1995	Tie Rod End
002475-03	CA	145	S & S Sterling Hts.	595,843	4/6/1989	1,298,987	4/21/1992	Tie Rod End
002510-02	JP	690	TRW Fastening Systems	19593/89	7/27/1989	2,842,625	10/23/1998	Push-on Fastener
002514-00	US	145	S & S Sterling Hts.	07/203,682	6/7/1988	4,856,606	8/15/1989	Lock Mechanism For Rear Wheel Steer Apparatus
002514-02	JP	145	S & S Sterling Hts.	145013/89	6/7/1989			Lock Mechanism For Rear Wheel Steer Apparatus
002609-00	US	713	TRW Fahrzeugelektrik	07/212,966	6/28/1988	4,944,684	7/31/1990	Electrical Junction Box And Method For Its Manufacture
002612-00	US	145	S & S Sterling Hts.	230,252	8/9/1988	4,869,476	9/26/1989	Electrically Controlled Viscous Elastic Spring
002612-02	JP	145	S & S Sterling Hts.	206592/89	8/9/1989	2,858,800	12/4/1998	Electrically Controlled Viscous Elastic Spring
002613-00	US	126	Commercial Steering Division	226,723	8/1/1988	4,947,951	8/14/1990	Pressure Responsive And Electrically Controllable Flow Apparatus
002643-00	US	145	S & S Sterling Hts.	07/411,029	9/22/1989	4,992,190	2/12/1991	Fluid Responsive To A Magnetic Field
002645-02	JP	145	S & S Sterling Hts.	169658/90	6/27/1990	2,049,338	4/25/1996	Fluid Responsive To A Magnetic Field
002645-05	US	145	S & S Sterling Hts.	07/814,245	12/23/1991	5,167,850	12/1/1992	Fluid Responsive To Magnetic Field
002645-06	DE	145	S & S Sterling Hts.	EPO406692	6/27/1990	P69008254.1	4/20/1994	Fluid Responsive To A Magnetic Field
002645-09	GB	145	S & S Sterling Hts.	90112257.2	6/27/1990	EPO406692	4/20/1994	Fluid Responsive To A Magnetic Field
002649-00	US	145	S & S Sterling Hts.	07/268,505	11/8/1988	4,887,683	12/19/1989	Rack And Pinion Steering Gear With Intermediate Take-off
002694-03	US	126	Commercial Steering Division	07/462,554	1/9/1990	4,981,049	1/1/1991	Tilt-telescope Steering Columns
002718-00	US	145	S & S Sterling Hts.	524,129	5/14/1990	5,066,160	11/19/1991	Stamped/flanged Seat Socket Assembly
002718-02	JP	145	S & S Sterling Hts.	228228/91	6/5/1991	2,750,028	2/20/1998	Ball Joint
002718-03	FR	145	S & S Sterling Hts.	91304210.7	5/10/1991	EPO459844	12/7/1994	Ball Joint

002718-04	IT	145	S & S Sterling Hts.	20799/BE/95	5/10/1991	EP0459644	12/7/1994	Ball Joint
002718-05	GB	145	S & S Sterling Hts.	91304210.7	5/10/1991	EP0459644	12/7/1994	Ball Joint
002718-06	DE	145	S & S Sterling Hts.	EP0459644	5/10/1991	P69105624.2	12/7/1994	Ball Joint
002718-07	ES	145	S & S Sterling Hts.	EP0459644	5/10/1991	2,067,862	12/7/1994	Ball Joint
002741-00	US	273	Transportation Electronics Division	308,242	2/8/1989	4,892,984	1/9/1990	Rotary Vacuum-Electrical Control
002763-00	US	145	S & S Sterling Hts.	07/537,894	4/14/1989	5,002,142	3/26/1991	Vehicle Steering System
002763-01	DE	145	S & S Sterling Hts.	P4011947.5	4/12/1990	P4011947.5	6/3/1993	Vehicle Steering System
002763-02	JP	145	S & S Sterling Hts.	100166/90	4/16/1990	1,995,279	11/22/1995	Vehicle Steering System
002763-03	GB	145	S & S Sterling Hts.	90/06299.3	3/21/1990	2,230,241	3/10/1993	Vehicle Steering System
002765-00	US	145	S & S Sterling Hts.	339,126	4/14/1989	4,942,947	7/24/1990	Rotary Shock Absorber With A Controlled Damping Rate
002765-02	JP	145	S & S Sterling Hts.	100165/90	4/16/1990	2,619,967	3/11/1997	Rotary Shock Absorber With A Controlled Damping Rate
002765-03	CA	145	S & S Sterling Hts.	2,014,477-7	4/12/1990	2,014,477	4/5/1994	Rotary Shock Absorber With A Controlled Damping Rate
002765-06	DE	145	S & S Sterling Hts.	EP0392274	3/29/1990	P69001380.9	4/21/1993	Rotary Shock Absorber With A Controlled Damping Rate
002774-00	US	145	S & S Sterling Hts.	07/444,563	12/1/1989	5,004,367	4/2/1991	Turnbuckle Assembly
002774-08	DE	145	S & S Sterling Hts.	EP0430713	11/30/1990	69022957.7-0	10/11/1995	Turnbuckle Assembly
002776-02	BR	126	Commercial Steering Division	P19004903-9	10/1/1990	P19004903-9	10/25/1994	Hydraulic Device DO NOT ABANDON - LICENSED TO PARKER HANNIFIN
002790-00	US	145	S & S Sterling Hts.	352,578	6/7/1989	4,916,379	4/10/1990	DC-to-DC Converter Using Relay Coil
002792-00	US	273	Transportation Electronics Division	07/589,458	9/27/1990	5,187,465	2/16/1993	Method And Apparatus For Testing A Dual Airbag Passive Restraint System
002792-01	KR	273	Transportation Electronics Division	93-700973	3/26/1993	198,517	3/2/1999	Method And Apparatus For Testing A Dual Airbag Passive Restraint System
002803-00	US	126	Commercial Steering Division	07/370,646	6/23/1989	5,076,382	12/31/1991	Method And Apparatus For Steering A Vehicle
002803-04	US	126	Commercial Steering Division	07/697,121	5/8/1991	5,238,077	8/24/1993	Method And Apparatus For Steering A Vehicle
002836-00	US	126	Commercial Steering Division	07/667,978	3/12/1991	5,184,593	2/9/1993	Vehicle Hydraulic Power Steering System

Automotive Patents and Applications Owned by TRW Inc. as of 21 Feb 2003

002850-00	US	462	Safety Systems/Mesa	07794,998	11/19/1991	5,249,824	10/5/1993	Air Bag Structure And Method Of Forming
002850-01	DE	462	Safety Systems/Mesa	P4239035.4	11/19/1992	P4239035	6/13/1996	Air Bag Structure And Method Of Forming
002850-02	JP	462	Safety Systems/Mesa	310455/92	11/19/1992	2,677,937	7/25/1997	Air Bag Structure And Method Of Forming
002873-00	US	145	S & S Sterling Hts.	07/692,207	4/26/1991	5,137,299	8/11/1992	Active Suspension System
002876-00	US	145	S & S Sterling Hts.	07/665,679	3/7/1991	5,145,206	9/8/1992	Semi-Active Suspension System With Energy Saving Actuator
002912-00	US	145	S & S Sterling Hts.	07/666,042	3/7/1991	5,102,161	4/7/1992	Semi-active Suspension System With Energy Saving Valve
002917-00	US	273	Transportation Electronics Division	07/449,718	12/12/1989	4,990,884	2/5/1991	Method And Apparatus For Testing An Airbag Restraint System
002925-00	US	145	S & S Sterling Hts.	07/652,437	2/8/1991	5,163,772	11/17/1992	Ball Joint
002928-00	US	145	S & S Sterling Hts.	07/648,238	1/31/1991	5,080,520	1/14/1992	Joint For Rack And Pinion Steering Assembly
002928-01	JP	145	S & S Sterling Hts.	16505/92	1/31/1992	2,509,777	4/16/1996	Joint Rack And Pinion Steering Assembly
002928-03	DE	145	S & S Sterling Hts.	EP0497513	1/24/1992	69205448.0-0	10/18/1995	Joint Rack And Pinion Steering Assembly
002928-04	ES	145	S & S Sterling Hts.	EP0497513	1/24/1992	2,081,043	10/18/1995	Joint Rack And Pinion Steering Assembly
002928-05	GB	145	S & S Sterling Hts.	92300619.1	1/24/1992	EP0497513	10/18/1995	Joint Rack And Pinion Steering Assembly
002930-00	US	145	S & S Sterling Hts.	652,434	2/8/1991	5,061,110	10/29/1991	Ball Joint And Method Of Assembly
002932-00	US	145	S & S Sterling Hts.	07/673,680	3/22/1991	5,098,119	3/24/1992	Semi-Active Suspension System With Energy Saving
002933-00	US	145	S & S Sterling Hts.	07/647,729	1/30/1991	5,163,769	11/17/1992	Ball Joint Having Service Life Indicator
002938-00	US	145	S & S Sterling Hts.	07/664,771	3/5/1991	5,154,530	10/13/1992	Ball Joint
002945-00	US	145	S & S Sterling Hts.	07/558,068	7/25/1990	5,230,273	7/27/1993	Apparatus For Controlling Fluid Flow To A Power Steering Actuator
002945-02	JP	145	S & S Sterling Hts.	186617/91	7/25/1991	2,790,385	6/12/1998	Apparatus For Controlling Fluid Flow To A Power Steering Motor
002945-03	DE	145	S & S Sterling Hts.	EP0468659	7/8/1991	69116457.6-0	1/17/1996	Apparatus For Controlling Fluid Flow To A Power Steering Motor
002945-04	ES	145	S & S Sterling Hts.	EP0468659	7/8/1991	2,084,774	1/17/1996	Apparatus For Controlling Fluid Flow To A Power Steering Motor
002945-05	FR	145	S & S Sterling Hts.	91306181.8	7/8/1991	EP0468659	1/17/1996	Apparatus For Controlling Fluid Flow To A Power Steering Motor

002945-06	GB	145	S & S Sterling Hts.	91306181.8	7/8/1991	EP0468659	1/17/1996	Apparatus For Controlling Fluid Flow To A Power Steering Motor
002945-07	IT	145	S & S Sterling Hts.	22493BE/96	7/8/1991	EP0468659	1/17/1996	Apparatus For Controlling Fluid Flow To A Power Steering Motor
002976-01	US	273	Transportation Electronics Division	678,589	12/5/1984	4,591,839	5/27/1986	System For Detecting Low Liquid Level And Probe Therefor
002980-00	US	273	Transportation Electronics Division	718,722	3/28/1985	4,611,154	9/9/1986	Method And Apparatus For Controlling The Operation Of A DC Load
002987-00	US	273	Transportation Electronics Division	704,347	2/22/1985	4,654,646	3/31/1987	Modular Liquid Level Sensor Having Integral Electronics
002989-00	US	273	Transportation Electronics Division	221,590	7/20/1988	4,975,545	12/4/1990	Sealed Relay Assembly
002990-02	JP	273	Transportation Electronics Division	117173/88	5/16/1988			Remote Control System For Door Locks
002990-03	KR	273	Transportation Electronics Division	88-12185	9/21/1988	47,201	12/24/1991	Remote Control System For Door Locks
002990-04	US	273	Transportation Electronics Division	07262,206	10/19/1988	4,881,148	11/14/1989	Remote Control System For Door Locks
002990-05	US	273	Transportation Electronics Division	07336,841	4/12/1989	5,109,221	4/28/1992	Remote Control System For Door Locks
002990-07	US	273	Transportation Electronics Division	08133,744	10/7/1993	5,406,274	4/11/1995	Remote Control System For Door Locks
002990-08	US	273	Transportation Electronics Division	07767,034	9/26/1991	5,252,966	10/12/1993	Transmitter For Remote Control System For Door Locks
002990-09	US	273	Transportation Electronics Division	08419,447	4/10/1995	5,619,191	4/8/1997	Remote Control System For Door Locks
002990-10	US	273	Transportation Electronics Division	08751,588	11/18/1996	5,774,064	6/30/1998	Transmitter For Remote Control System For Door Locks
002990-11	JP	273	Transportation Electronics Division	36406/97	2/20/1997			Device and Method for Remote Control
002990-12	EP	273	Transportation Electronics Division	97119531.8	5/16/1988			Remote Control System For Door Locks
002990-13	GB	273	Transportation Electronics Division	88304408.3	5/16/1988	EP0292217	8/12/1998	Remote Control System For Door Locks
002990-14	DE	273	Transportation Electronics Division	EP0292217	5/16/1988	P3856232.4	8/12/1998	Remote Control System For Door Locks
003000-00	US	126	Commercial Steering Division	087011,399	1/29/1993	5,361,861	11/8/1994	Power Steering System
003006-00	US	145	S & S Sterling Hts.	07652,439	2/8/1991	5,066,159	11/19/1991	Ball Joint With Integral Seal
003007-00	US	145	S & S Sterling Hts.	07703,206	5/20/1991	5,213,175	5/25/1993	Reduced Length Rack And Pinion Steering Assembly
003020-00	US	145	S & S Sterling Hts.	07652,584	2/8/1991	5,181,581	1/26/1993	Rack Bushing With Integral Seal

003060-01	US	166	Valve Division	07/910,681	7/8/1992	5,257,453	11/2/1993	Process For Making Exhaust Valves
003060-05	US	166	Valve Division	08/345,206	11/28/1994			Process For Making Exhaust Valves
003061-01	DE	462	Safety Systems/Mesa	P4141620.1	12/17/1991	P4141620	4/11/1996	Initiator Assembly For An Air Bag Inflator
003061-02	JP	462	Safety Systems/Mesa	335107/91	12/18/1991	2,109,143	11/21/1996	Initiator Assembly For An Air Bag Inflator
003061-03	US	462	Safety Systems/Mesa	07/897,573	6/11/1992	5,269,560	12/14/1993	Initiator Assembly For An Air Bag Inflator
003063-01	JP	462	Safety Systems/Mesa	238333/92	9/7/1992	2,609,404	2/13/1997	Igniter For An Air Bag Inflator
003063-02	DE	462	Safety Systems/Mesa	P4229624.2	9/4/1992	P4229624	12/7/2000	Igniter For An Air Bag Inflator
003063-03	US	462	Safety Systems/Mesa	08/058,285	5/4/1993	5,403,036	4/4/1995	Igniter For An Air Bag Inflator
003069-01	JP	462	Safety Systems/Mesa	334816/91	12/18/1991	2,109,140	11/21/1996	Hermetically Sealed Container For Air Bag Inflator
003069-03	US	462	Safety Systems/Mesa	08/117,483	9/7/1993	5,308,588	5/3/1994	Hermetically Sealed Container For Air Bag Inflator
003078-00	US	462	Safety Systems/Mesa	07/629,426	12/18/1990	5,114,179	5/19/1992	Safety Apparatus
003078-01	JP	462	Safety Systems/Mesa	335162/91	12/18/1991	2,109,145	11/21/1996	Safety Apparatus
003078-02	DE	462	Safety Systems/Mesa	P4141903.0	12/18/1991	P4141903	4/18/1996	Safety Apparatus
003100-00	US	126	Commercial Steering Division	07/776,801	10/15/1991	5,306,095	4/28/1994	Vehicle Steering Link Assembly
003101-00	US	166	Valve Division	07/990,424	12/15/1992	5,328,527	7/12/1994	Iron Aluminum Based Engine Intake Valves And Method Of Making Thereof
003101-06	US	166	Valve Division	08/242,733	5/13/1994	5,425,821	6/20/1995	Iron Aluminate Based Engine Intake Valves And Its Manufacturing Method
003110-00	US	462	Safety Systems/Mesa	07/629,599	12/18/1990	5,106,119	4/21/1992	Inflator Housing
003110-01	DE	462	Safety Systems/Mesa	P4141907.3	12/18/1991	P4141907	12/1/1994	Inflator Housing
003110-02	JP	462	Safety Systems/Mesa	361080/91	12/18/1991	2,661,830	6/13/1997	Inflator Housing
003110-03	DE	462	Safety Systems/Mesa	P4143654.7	12/18/1991			Inflator Housing
003111-00	US	462	Safety Systems/Mesa	07/629,425	12/18/1990	5,100,174	3/31/1992	Auto Ignition Package For An Air Bag Inflator
003111-01	JP	462	Safety Systems/Mesa	335167/91	12/18/1991	2,109,146	11/21/1996	Auto Ignition Package For An Air Bag Inflator

003111-04	DE	462	Safety Systems/Mesa	P4143622.9	12/18/1991			Auto Ignition Package For An Air Bag Inflator
003112-00	US	462	Safety Systems/Mesa	07/629,412	12/18/1990	5,087,070	2/11/1992	Method Of Assembling An Inflator For A Vehicle Occupant Restraint
003112-01	JP	462	Safety Systems/Mesa	334108/91	12/18/1991	2,554,812	8/22/1996	Filter Assembly For Air Bag Inflator
003112-02	DE	462	Safety Systems/Mesa	P4141906.5	12/18/1991	P4141906	5/30/1996	Filter Assembly For Air Bag Inflator
003113-00	US	462	Safety Systems/Mesa	07/629,218	12/18/1990	5,203,587	4/20/1993	Method of Assembly of A Combustion Cup, Filter, and Diffuser Cup For a Vehicle Occupant Restraint Inflator
003121-00	US	462	Safety Systems/Mesa	07/689,005	4/22/1991	5,152,549	10/6/1992	Vehicle Safety Apparatus Having A Retainer For Clamping An Inflator Against A Support Plate
003121-02	DE	462	Safety Systems/Mesa	P4213253.3	4/22/1992	P4213253	1/16/1997	Vehicle Safety Apparatus
003139-00	US	145	S & S Sterling Hts.	07/892,760	6/3/1992	5,394,760	3/7/1995	Torque Sensor For A Power Assist Steering System
003149-00	US	462	Safety Systems/Mesa	07/833,083	2/10/1992	5,393,092	2/28/1995	Air Bag For A Vehicle Air Bag Assembly And Method Of Making The Same
003155-00	US	145	S & S Sterling Hts.	07/823,852	1/22/1992	5,178,482	1/12/1993	Ball Joint
003155-01	JP	145	S & S Sterling Hts.	9352/93	1/22/1993	1,958,853	8/10/1995	Ball Joint
003155-03	DE	145	S & S Sterling Hts.	EP0552938	1/20/1993	69300305.7	8/2/1995	Ball Joint
003155-04	ES	145	S & S Sterling Hts.	EP0552938	1/20/1993	2,078,099	8/2/1995	Ball Joint
003155-05	FR	145	S & S Sterling Hts.	93300388.1	1/20/1993	EP0552938	8/2/1995	Ball Joint
003155-06	GB	145	S & S Sterling Hts.	93300388.1	1/20/1993	EP0552938	8/2/1995	Ball Joint
003155-07	IT	145	S & S Sterling Hts.	27830/BE/95	1/20/1993	EP0552938	8/2/1995	Ball Joint
003161-00	US	145	S & S Sterling Hts.	07/745,523	8/15/1991	5,286,133	2/15/1994	Joint For Vehicle Steering Linkage
003171-00	US	126	Commercial Steering Division	07/766,757	9/27/1991	5,257,670	11/2/1993	Two-pump Power Steering System
003190-00	US	690	TRW Fastening Systems	07/763,926	9/23/1991	5,105,849	4/21/1992	Body Relief Valve Flap
003190-01	JP	690	TRW Fastening Systems	254770/92	9/24/1992	3,155,083	2/2/2001	Body Relief Valve Flap
003198-00	US	462	Safety Systems/Mesa	07/759,494	9/13/1991	5,178,547	1/12/1993	Initiator Assembly With Connector Interface Element
003198-01	JP	462	Safety Systems/Mesa	245059/92	9/14/1992	2,555,125	6/27/1996	Initiator Assembly With Connector Interface Element

003198-02	DE	462	Safety Systems/Mesa	P4230443.1	9/11/1992	P4230442	5/2/2002	Initiator Assembly With Connector Interface Element
003206-00	US	273	Transportation Electronics Division	866,906	4/10/1992	5,442,341	8/15/1995	A Remote Control Security System
003206-01	EP	273	Transportation Electronics Division	93302586.8	4/1/1993			A Remote Control Security System
003206-02	JP	273	Transportation Electronics Division	84687/93	4/12/1993	2,784,309	5/22/1998	A Remote Control Security System
003206-03	US	273	Transportation Electronics Division	08/514,398	8/11/1995	5,604,488	2/18/1997	Remote Control Security System
003213-00	US	145	S & S Sterling Hts.	07/819,783	1/13/1992	5,176,368	1/5/1993	Vehicle Engine Mount
003213-03	JP	145	S & S Sterling Hts.	512632/93	8/23/1993	3,055,939	4/14/2000	Vehicle Engine Mount
003227-00	US	145	S & S Sterling Hts.	08/008,695	1/25/1993	5,380,114	1/10/1995	Ball Joint Assembly And Method of Mounting
003237-00	US	145	S & S Sterling Hts.	07/833,539	2/10/1992	5,357,459	11/22/1994	Apparatus For Controlling Dampers In A Vehicle Suspension System
003237-01	JP	145	S & S Sterling Hts.	23008/93	2/10/1993	2,803,013	7/17/1998	Apparatus For Controlling Dampers In A Vehicle Suspension System
003237-02	DE	145	S & S Sterling Hts.	P4303931.6	2/10/1993	P4303931	8/1/1996	Apparatus For Controlling Dampers In A Vehicle Suspension System
003239-00	US	145	S & S Sterling Hts.	07/948,025	9/21/1992	5,207,244	5/4/1993	Steering Control Valve With Contoured Control Surfaces
003239-02	JP	145	S & S Sterling Hts.	234727/93	9/21/1993	2,925,056	5/7/1999	Steering Control Valve With Contoured Control Surfaces
003240-00	US	126	Commercial Steering Division	07/936,135	8/27/1992	5,259,413	11/9/1993	Steering Control Valve With Contoured Control Surfaces
003243-00	US	166	Valve Division	07/923,370	7/31/1992	5,207,196	5/4/1993	Pre-assembled Unit For Engine Valve System
003253-00	US	462	Safety Systems/Mesa	07/776,676	9/18/1991	5,275,431	1/4/1994	Air Bag Inflator Assembly
003253-01	JP	462	Safety Systems/Mesa	249971/92	9/18/1992	2,522,623	5/31/1996	Air Bag Inflator Assembly
003253-02	DE	462	Safety Systems/Mesa	P4230342.7-2	9/10/1992	P4230342	8/22/1996	Air Bag Inflator Assembly
003266-00	US	145	S & S Sterling Hts.	07/867,877	4/13/1992	5,269,539	12/14/1993	Hydraulic Shaft Seal
003267-00	US	126	Commercial Steering Division	07/967,140	10/27/1992	5,287,792	2/22/1994	Hydraulic Power Steering Gear With Noise Attenuation
003294-00	US	145	S & S Sterling Hts.	07/957,693	10/7/1992	5,354,488	10/11/1994	Fluid Responsive To A Magnetic Field
003302-00	US	145	S & S Sterling Hts.	08/013,813	2/2/1993	6,259,982	7/10/2001	Method And Apparatus For Controlling An Active Suspension System

003303-00	US	145	S & S Sterling Hts.	07/947,347	9/18/1992	5,293,954	3/15/1994	Power Steering System
0033370-00	US	126	Commercial Steering Division	08/041,729	4/1/1993	5,363,716	11/15/1994	Tilt-Telescope Steering Column
0033370-01	US	126	Commercial Steering Division	08/139,427	10/20/1993	5,361,646	11/8/1994	Locking Mechanism
0033372-00	US	166	Valve Division	07/953,487	9/29/1992	5,275,376	1/4/1994	Spring Retainer
0033382-00	US	145	S & S Sterling Hts.	07/951,858	9/28/1992	5,257,681	11/2/1993	Apparatus For Damping Movement
0033383-00	US	145	S & S Sterling Hts.	07/930,987	8/17/1992	5,286,131	2/15/1994	Ball Joint And Method Of Assembly
0033389-03	US	145	S & S Sterling Hts.	08/347,843	12/11/1994	5,475,593	12/12/1995	Distributed Active Vehicle Suspension System (Jointly owned with Lotus)
0033389-05	JP	145	S & S Sterling Hts.	104855/92	4/23/1992			A Vehicle Suspension System (Jointly owned with Lotus)
003405-00	US	462	Safety Systems/Mesa	07/960,477	10/9/1992	5,275,575	1/4/1994	Electrical Connection System With Safety Interlock
003405-01	JP	462	Safety Systems/Mesa	254409/93	10/12/1993	2,647,336	5/9/1997	Electrical Connection System with Safety Interlock
003405-02	KR	462	Safety Systems/Mesa	93-20918	10/9/1993	278,818	10/24/2000	Electrical Connection System with Safety Interlock
003405-04	DE	462	Safety Systems/Mesa	EP0591948	10/6/1993	69307247.4-0	1/8/1997	Electrical Connection System With Safety Interlock
003405-05	FR	462	Safety Systems/Mesa	93116173.1	10/6/1993	EP0591948	1/8/1997	Electrical Connection System With Safety Interlock
003405-06	GB	462	Safety Systems/Mesa	93116173.1	10/6/1993	EP0591948	1/8/1997	Electrical Connection System With Safety Interlock
003405-07	IT	462	Safety Systems/Mesa	20063/BE/97	10/6/1993	EP0591948	1/8/1997	Electrical Connection System With Safety Interlock
003406-00	US	462	Safety Systems/Mesa	07/960,474	10/9/1992	5,314,345	5/24/1994	Electrical Connection System With Interlock
003406-01	JP	462	Safety Systems/Mesa	254350/93	10/12/1993	2,647,335	5/9/1997	Electrical Connection System With Interlock
003406-02	KR	462	Safety Systems/Mesa	10-93-0020911	10/9/1993	282328	8/28/2000	Electrical Connection System with Interlock
003406-04	DE	462	Safety Systems/Mesa	EP0591947	10/6/1993	69308450.2-0	3/5/1997	Integral Connection System II
003406-05	FR	462	Safety Systems/Mesa	93116172.3	10/6/1993	EP0591947	3/5/1997	Integral Connection System II
003406-06	GB	462	Safety Systems/Mesa	93116172.3	10/6/1993	EP0591947	3/5/1997	Integral Connection System II
003406-07	IT	462	Safety Systems/Mesa	93116172.3	10/6/1993	EP0591947	3/5/1997	Integral Connection System II

003408-00	GB	145	S & S Sterling Hts.	91/02059.4	1/31/1991			Area Switching Valve
003408-02	JP	145	S & S Sterling Hts.	503291/92	1/31/1992			Area Switching Valve
003448-00	US	145	S & S Sterling Hts.	07/931,869	8/18/1992	5,429,447	7/4/1995	Clampless Turnbuckle Assembly
003451-00	US	145	S & S Sterling Hts.	07/893,090	6/3/1992	5,406,155	4/11/1995	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members
003452-00	US	462	Safety Systems/Mesa	07/904,976	6/26/1992	5,283,416	2/1/1994	Laser Process Monitoring And Evaluation
003452-01	JP	462	Safety Systems/Mesa	157049/93	6/28/1993	2,801,126	7/10/1998	Improved Laser Process Monitoring And Evaluation
003452-02	DE	462	Safety Systems/Mesa	P4321463.0	6/28/1993	P4321463	12/12/1996	Improved Laser Process Monitoring And Evaluation
003463-00	US	145	S & S Sterling Hts.	07/893,512	6/3/1992	5,257,828	11/2/1993	Method And Apparatus For Controlling Damping In An Electric Assist...
003466-00	US	126	Commercial Steering Division	08/052,195	4/22/1993	5,439,252	8/8/1995	Dual Pivot Steering Column
003495-00	US	126	Commercial Steering Division	08/114,682	8/31/1993	5,460,574	10/24/1995	Variable Length Shaft Assembly with a Lash Bushing
003520-00	US	145	S & S Sterling Hts.	08/168,514	12/16/1993	5,494,127	2/27/1996	Power Steering System
003521-00	US	145	S & S Sterling Hts.	08/190,274	2/2/1994	5,452,642	9/26/1995	Power Steering System With Speed Responsive Force Transmitting Control
003521-01	BR	145	S & S Sterling Hts.	P19500421-1	2/2/1995	P19500421-1	12/14/1999	Power Steering System
003521-03	MX	145	S & S Sterling Hts.	950,790	2/2/1995	186,533	10/20/1997	Power Steering System
003521-04	ES	145	S & S Sterling Hts.	EP0667280	2/1/1995	2,136,213	5/12/1999	Power Steering System
003521-05	FR	145	S & S Sterling Hts.	95101368.9	2/1/1995	EP0667280	5/12/1999	Power Steering System
003521-06	DE	145	S & S Sterling Hts.	EP0667280	2/1/1995	69509569.2-0	5/12/1999	Power Steering System
003521-07	GB	145	S & S Sterling Hts.	95101368.9	2/1/1995	EP0667280	5/12/1999	Power Steering System
003521-08	IT	145	S & S Sterling Hts.	95101368.9	2/1/1995	EP0667280	5/12/1999	Power Steering System
003535-00	US	462	Safety Systems/Mesa	08/103,448	8/6/1993	5,360,960	11/1/1994	Light Intensity Weld Monitor
003540-00	US	126	Commercial Steering Division	08/194,034	2/9/1994	5,388,941	2/14/1995	Seal Nut For Power Steering Assembly
003545-00	US	145	S & S Sterling Hts.	08/082,047	6/24/1993	5,357,845	10/25/1994	Power Steering System

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003571-00	US	690	TRW Fastening Systems	08/126,269	9/24/1993	5,420,762	5/30/1995	Automotive Headlamp Assembly Fastening System
003571-01	JP	690	TRW Fastening Systems	247370/94	10/13/1994			Automotive Headlamp Assembly Fastening System
003571-03	FR	690	TRW Fastening Systems	94115013.8	9/23/1994	EP0649773	7/29/1998	Automotive Headlamp Assembly Fastening System
003571-04	DE	690	TRW Fastening Systems	EP0649773	9/23/1994	69412027.8-0	7/29/1998	Automotive Headlamp Assembly Fastening System
003571-05	GB	690	TRW Fastening Systems	94115013.8	9/23/1994	EP0649773	7/29/1998	Automotive Headlamp Assembly Fastening System
003573-00	US	462	Safety Systems/Mesa	08/076,112	6/11/1993	5,364,127	11/15/1994	Inflator Assembly
003582-00	US	145	S & S Sterling Hts.	08/058,417	5/7/1993	5,413,431	5/9/1995	Protective Cover For A Ball Joint Assembly
003584-01	JP	690	TRW Fastening Systems	247609/94	10/13/1994			Dual Component Flap
003596-00	US	690	TRW Fastening Systems	08/012,237	2/2/1993	5,306,098	4/26/1994	Plastic Drive Fastener
003601-02	KR	273	Transportation Electronics Division	94-25943	10/8/1994	158,934	8/7/1998	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-04	US	273	Transportation Electronics Division	08/541,188	10/11/1995	5,635,923	6/3/1997	Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-05	DE	273	Transportation Electronics Division	0647753	10/7/1994	69428087.9-0	8/29/2001	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-06	ES	273	Transportation Electronics Division	94115878.4	10/7/1994	647753	8/29/2001	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-07	FR	273	Transportation Electronics Division	94115878.4	10/7/1994	647753	8/29/2001	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-08	GB	273	Transportation Electronics Division	94115878.4	10/7/1994	647753	8/29/2001	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003601-09	IT	273	Transportation Electronics Division	94115878.4	10/7/1994	647753	8/29/2001	A Receiver For Use In A Remote Keyless Entry System And For Receiving Public Broadcasts
003604-00	US	462	Safety Systems/Mesa	08/457,975	6/1/1995	5,650,600	7/22/1997	Horn Switch for Air Bag Module
003609-00	US	690	TRW Fastening Systems	08/128,544	9/28/1993	5,419,739	5/30/1995	Flap-Type Pressure Relief Valve and Method of Forming the Same
003609-01	JP	690	TRW Fastening Systems	247610/94	10/13/1994			Flap-Type Pressure Relief Valve and Method of Forming the Same
003609-03	DE	690	TRW Fastening Systems	EP0645268	9/26/1994	69414512.2-0	11/11/1998	Flap-Type Pressure Relief Valve and Method of Forming the Same
003609-04	FR	690	TRW Fastening Systems	94115136.7	9/26/1994	EP0645268	11/11/1998	Flap-Type Pressure Relief Valve and Method of Forming the Same
003609-05	GB	690	TRW Fastening Systems	94115136.7	9/26/1994	EP0645268	11/11/1998	Flap-Type Pressure Relief Valve and Method of Forming the Same

003612-00	US	145	S & S Sterling Hts.	08/212,112	3/11/1994	5,568,389	10/22/1996	Method And Apparatus For Controlling An Electric Assist Steering System
003612-02	JP	145	S & S Sterling Hts.	52784/95	3/13/1995	2,774,946	4/24/1998	Method And Apparatus For Controlling An Electric Assist Steering System
003612-03	BR	145	S & S Sterling Hts.	P19501028-9	3/10/1995	P19501028-9	4/4/2000	Method And Apparatus For Controlling An Electric Assist Steering System
003612-04	FR	145	S & S Sterling Hts.	95103264.8	3/11/1995	EP0671310	9/1/1999	Method And Apparatus For Controlling An Electric Assist Steering System
003612-05	DE	145	S & S Sterling Hts.	EP0671310	3/11/1995	69511744.0-0	9/1/1999	Method And Apparatus For Controlling An Electric Assist Steering System
003612-06	IT	145	S & S Sterling Hts.	95103264.8	3/11/1995	EP0671310	9/1/1999	Method And Apparatus For Controlling An Electric Assist Steering System
003618-00	US	273	Transportation Electronics Division	08/404,165	3/14/1995	5,736,935	4/7/1998	Keyless Vehicle Entry and Engine Starting System
003619-00	US	273	Transportation Electronics Division	08/653,417	5/24/1996	5,838,257	11/17/1998	Keyless Vehicle Entry System Employing Portable Transceiver Having Low Power Consumption
003619-02	EP	273	Transportation Electronics Division	97106206.2	4/15/1997			Keyless Vehicle Entry System Employing Portable Transceiver Having Low Power Consumption
003620-00	US	273	Transportation Electronics Division	08/595,748	2/2/1996	5,844,517	12/1/1998	Portable Transceiver For Keyless Vehicle Entry System Having Phase Delay
003620-01	JP	273	Transportation Electronics Division	20605/97	2/3/1997			Portable Transceiver For Keyless Vehicle Entry System Having Phase Delay
003620-03	KR	273	Transportation Electronics Division	97-2923	1/31/1997	248458	12/17/1999	Portable Transceiver For Keyless Vehicle Entry System Having Phase Delay
003650-00	US	166	Valve Division	08/078,005	6/15/1993	5,293,848	3/15/1994	Spring Retainer For A Poppet Valve And Method Of Assembling
003651-00	US	126	Commercial Steering Division	08/105,797	8/12/1993	5,378,118	1/3/1995	Cartridge Assembly With Orifice Providing Pressure Differential
003651-02	DE	126	Commercial Steering Division	P4428667.8	8/12/1994	P4428667	7/9/1998	Cartridge Assembly
003657-00	US	273	Transportation Electronics Division	08/659,352	6/6/1996	5,698,770	12/16/1997	Method And Apparatus For Trimming Gain Of An Accelerometer
003671-00	US	126	Commercial Steering Division	08/203,276	2/28/1994	5,419,235	5/30/1995	Power Steering Gear Assembly
003671-01	ES	126	Commercial Steering Division	P9500376	2/27/1995	2,116,195	2/1/1999	Power Steering Gear Assembly
003671-03	MX	126	Commercial Steering Division	9501127	2/27/1995	187,999	2/6/1998	Power Steering Gear Assembly
003671-04	BR	126	Commercial Steering Division	P19500782	2/24/1995	P19500782-2	12/14/1999	Power Steering Gear Assembly
003700-00	US	145	S & S Sterling Hts.	08/034,746	3/19/1993	5,442,956	8/22/1995	Torque Sensor for a Power Assist Steering System
003712-00	US	145	S & S Sterling Hts.	08/170,015	12/20/1993	5,484,218	1/16/1996	Protective Cover For A Ball Joint Assembly

003713-00	US	145	S & S Sterling Hts.	08/329,629	10/26/1994	5,517,415	5/14/1996	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-02	JP	145	S & S Sterling Hts.	279333/95	10/26/1995	2,898,236	3/12/1999	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-03	BR	145	S & S Sterling Hts.	P19504458-2	10/19/1995	P19504458-2	3/19/2002	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-04	JP	145	S & S Sterling Hts.	307240/98	10/26/1995			Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-05	EP	145	S & S Sterling Hts.	01109605.4	8/4/1995			Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-06	FR	145	S & S Sterling Hts.	95112308.2	8/4/1995	709278	11/7/2001	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-07	DE	145	S & S Sterling Hts.	0709278	8/4/1995	69523715.2-C	11/7/2001	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003713-08	IT	145	S & S Sterling Hts.	95112308.2	8/4/1995	709278	11/7/2001	Method and Apparatus For Detecting a Motor Stall Condition In An Electric Assist Steering System
003715-00	US	462	Safety Systems/Mesa	08/400,260	3/8/1995	5,577,767	11/26/1996	Housing Assembly For An Air Bag And Vehicle Horn Switch
003715-01	DE	462	Safety Systems/Mesa	19609130.6	3/8/1996			Housing Assembly For An Air Bag And Vehicle Horn Switch
003715-03	US	462	Safety Systems/Mesa	09/196,029	11/19/1998			Housing Assembly For An Air Bag And Vehicle Horn Switch
003732-00	US	273	Transportation Electronics Division	08/362,185	12/22/1994	5,692,775	12/2/1997	Method and Apparatus For Controlling An Occupant Restraint System in Response to Selected Criteria Zone
003736-07	US	462	Safety Systems/Mesa	08/639,351	4/29/1996	5,584,505	12/17/1996	Inflator Assembly
003749-00	US	145	S & S Sterling Hts.	08/213,104	3/14/1994	5,510,986	4/23/1996	Method And Apparatus For Controlling An Active Suspension System
003749-02	JP	145	S & S Sterling Hts.	54741/95	3/14/1995	3,014,081	12/17/1999	Method And Apparatus For Controlling An Active Suspension System
003749-05	DE	145	S & S Sterling Hts.	EP0672549	3/14/1995	69504385.4	9/2/1998	Method And Apparatus For Controlling An Active Suspension System
003749-07	GB	145	S & S Sterling Hts.	95103696.1	3/14/1995	EP0672549	9/2/1998	Method And Apparatus For Controlling An Active Suspension System
003788-00	US	126	Commercial Steering Division	08/192,263	2/7/1994	5,417,244	5/23/1995	Valve With Noise Reducing Two Stage Pressure Drop
003812-00	US	462	Safety Systems/Mesa	08/326,789	10/20/1994	5,518,266	5/21/1996	Vehicle Safety Apparatus Including Inflatable Restraint
003813-00	US	145	S & S Sterling Hts.	08/331,962	10/31/1994	5,623,409	4/22/1997	Method and Apparatus for Non-Linear Damping of an Electric Assist Steering System for Vehicle Yaw Rate Control
003813-02	JP	145	S & S Sterling Hts.	284000/95	10/31/1995	2,791,299	6/12/1998	Method and Apparatus for Non-Linear Damping of an Electric Assist Steering System for Vehicle Yaw Rate Control
003813-03	BR	145	S & S Sterling Hts.	P19504526-0	10/24/1995	P19504526-0	4/30/2002	Method and Apparatus for Non-Linear Damping of an Electric Assist Steering System for Vehicle Yaw Rate Control

003813-04	DE	145	S & S Sterling Hts.	0709277	8/4/1995	69523406.4	10/24/2001	Electric Assist Steering System and Method for Controlling Such System
003813-05	FR	145	S & S Sterling Hts.	95112307.4	8/4/1995	709277	10/24/2001	Electric Assist Steering System and Method for Controlling Such System
003813-06	IT	145	S & S Sterling Hts.	95112307.4	8/4/1995	709277	10/24/2001	Electric Assist Steering System and Method for Controlling Such System
003814-00	US	273	Transportation Electronics Division	08/177,232	1/4/1994	5,498,028	3/12/1996	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003814-02	JP	273	Transportation Electronics Division	329149/94	12/28/1994	2,760,953	3/20/1998	Method And Apparatus For Controlling An Actuatable Restraining Device
003814-03	CA	273	Transportation Electronics Division	2,138,742	12/21/1994	2,138,742	2/4/1997	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003814-04	FR	273	Transportation Electronics Division	94120956.1	12/30/1994	EP0665140	6/2/1999	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003814-05	DE	273	Transportation Electronics Division	EP0665140	12/30/1994	69418849.2	6/2/1999	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003814-06	GB	273	Transportation Electronics Division	94120956.1	12/30/1994	EP0665140	6/2/1999	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003814-07	IT	273	Transportation Electronics Division	94120956.1	12/30/1994	EP0665140	6/2/1999	Method And Apparatus For Controlling An Actuatable Restraining Device - JOINTLY OWNED WITH TOYOTA
003820-00	US	145	S & S Sterling Hts.	08/264,477	6/23/1994	5,498,092	3/12/1996	Protective Cover For A Ball Joint Assembly
003821-00	US	145	S & S Sterling Hts.	08/264,593	6/23/1994	5,427,395	6/27/1995	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003821-02	FR	145	S & S Sterling Hts.	95109821.9	6/23/1995	EP0688688	11/25/1998	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003821-03	DE	145	S & S Sterling Hts.	EP0688688	6/23/1995	69506177.1	11/25/1998	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003821-04	ES	145	S & S Sterling Hts.	EP0688688	6/23/1995	2,125,524	11/25/1998	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003821-05	GB	145	S & S Sterling Hts.	95109821.9	6/23/1995	EP0688688	11/25/1998	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003821-06	IT	145	S & S Sterling Hts.	95109821.9	6/23/1995	EP0688688	11/25/1998	Lower Control Arm For Use In A Vehicle Wheel Suspension System
003823-00	US	145	S & S Sterling Hts.	08/264,595	6/23/1994	5,531,534	7/2/1996	Protective Cover For A Ball Joint Assembly
003823-02	FR	145	S & S Sterling Hts.	95109652.8	6/21/1995	EP0688968	10/20/1999	Protective Cover For A Ball Joint Assembly
003823-03	ES	145	S & S Sterling Hts.	EP0688968	6/21/1995	2,141,867	10/20/1999	Protective Cover For A Ball Joint Assembly
003823-04	DE	145	S & S Sterling Hts.	EP0688968	6/21/1995	69512838.8	10/20/1999	Protective Cover For A Ball Joint Assembly
003823-05	IT	145	S & S Sterling Hts.	95109652.8	6/21/1995	EP0688968	10/20/1999	Protective Cover For A Ball Joint Assembly

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003823-06	GB	145	S & S Sterling Hts.	95109652.8	6/21/1995	EP0688968	10/20/1999	Protective Cover For A Ball Joint Assembly
003827-00	US	145	S & S Sterling Hts.	08/572.176	12/13/1995	5,786,754	7/28/1998	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-01	JP	145	S & S Sterling Hts.	334019/96	12/13/1996	2,859,231	12/4/1998	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-02	BR	145	S & S Sterling Hts.	PI9605996-6	12/13/1996			Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-04	DE	145	S & S Sterling Hts.	0779181	12/4/1996	69619482.1-0	2/27/2002	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-05	FR	145	S & S Sterling Hts.	96308753.1	12/4/1996	779181	2/27/2002	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-06	GB	145	S & S Sterling Hts.	96308753.1	12/4/1996	779181	2/27/2002	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003827-07	IT	145	S & S Sterling Hts.	96308753.1	12/4/1996	779181	2/27/2002	Method and Apparatus For Electronically Cancelling A Vehicle Direction and Signal In An Electric Assist Steering System
003829-00	US	145	S & S Sterling Hts.	08/538.496	9/29/1995	5,752,208	5/12/1998	Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003829-01	JP	145	S & S Sterling Hts.	234347/96	9/4/1996	2,937,882	6/11/1999	Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003829-02	BR	145	S & S Sterling Hts.	PI9603882	9/25/1996			Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003829-04	DE	145	S & S Sterling Hts.	0765795	9/13/1996	69616931.2-0	11/14/2001	Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003829-05	FR	145	S & S Sterling Hts.	96114745.1	9/13/1996	765795	11/14/2001	Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003829-06	IT	145	S & S Sterling Hts.	0765795	9/13/1996	20545BE/200	11/14/2001	Automatic Gain Control Of A Torque Sensor For A Power Assist Steering System
003830-00	US	273	Transportation Electronics Division	08/258.952	8/13/1994	5,587,906	12/24/1996	Method and Apparatus For Sensing a Vehicle Crash Condition Using Velocity Enhanced Acceleration Crash Metrics
003865-00	US	690	TRW Fastening Systems	08/270.463	7/5/1994	5,507,545	4/16/1996	Visor Clip Assembly and Releasable Fastener
003865-02	KR	690	TRW Fastening Systems	95-19248	7/1/1995			Visor Clip Assembly
003865-03	DE	690	TRW Fastening Systems	EP0691230	6/28/1995	69506328.6-0	12/2/1998	Visor Clip Assembly and Releasable Fastener
003865-04	ES	690	TRW Fastening Systems	EP0691230	6/28/1995	2,127,970	12/2/1998	Visor Clip Assembly and Releasable Fastener
003865-05	FR	690	TRW Fastening Systems	95110086.6	6/28/1995	EP0691230	12/2/1998	Visor Clip Assembly and Releasable Fastener
003865-06	GB	690	TRW Fastening Systems	95110086.6	6/28/1995	EP0691230	12/2/1998	Visor Clip Assembly and Releasable Fastener
003865-07	NL	690	TRW Fastening Systems	95110086.6	6/28/1995	EP0691230	12/2/1998	Visor Clip Assembly and Releasable Fastener

003878-00	US	273	Transportation Electronics Division	08/622,705	3/26/1996	5,737,961	4/14/1998	Method and Apparatus for Detecting Operational Failure Of A Digital Accelerometer
003878-01	JP	273	Transportation Electronics Division	73473/97	3/26/1997	3,053,371	4/7/2000	Method and Apparatus for Detecting Operational Failure Of A Digital Accelerometer
003880-00	US	126	Commercial Steering Division	08/201,616	2/24/1994	5,496,155	3/5/1996	Rotary Device
003880-01	ES	126	Commercial Steering Division	P9500362	2/23/1995	2,117,532	2/4/1999	Rotary Device
003880-03	BR	126	Commercial Steering Division	PI9500781-4	2/24/1995	PI9500781-4	8/8/2000	Rotary Device
003880-04	IN	126	Commercial Steering Division	282/DEL/95	2/22/1995			Rotary Device
003880-05	MX	126	Commercial Steering Division	951,087	2/23/1995	194,125	11/18/1999	Rotary Device
003891-00	US	126	Commercial Steering Division	08/490,721	6/15/1995	5,678,454	10/21/1997	Steering Column
003893-00	US	273	Transportation Electronics Division	08/251,754	5/31/1994	5,543,692	8/6/1996	Method and Apparatus for Controlling an Electric Motor for Moving A Member
003913-00	US	273	Transportation Electronics Division	08/891,395	7/10/1997	5,900,529	5/4/1999	Apparatus and Method for Testing an Acceleration Sensor
003920-00	US	126	Commercial Steering Division	08/391,236	2/21/1995	5,562,124	10/8/1996	Steering Control Valve With Different Size Flow Gaps For Noise Suppression
003920-01	JP	126	Commercial Steering Division	30868/96	2/19/1996	2,960,006	7/30/1999	Steering Control Valve With Different Size Flow Gaps For Noise Suppression
003920-02	BR	126	Commercial Steering Division	PI9600731-1	2/14/1996	PI9600731-1	10/17/2000	Steering Control Valve With Different Size Flow Gaps For Noise Suppression
003920-03	EP	126	Commercial Steering Division	96102381.9	2/16/1996			Steering Control Valve With Different Size Flow Gaps For Noise Suppression
003921-00	US	145	S & S Sterling Hts. Division	08/241,053	5/11/1994	5,473,231	12/5/1995	Method And Apparatus For Controlling An Electric Assist Steering System Using An Adaptive Torque Filter
003921-02	JP	145	S & S Sterling Hts. Division	113201/95	5/11/1995	2,898,220	3/12/1999	Method And Apparatus For Controlling An Electric Assist Steering System Using An Adaptive Blending Torque Filter
003921-03	BR	145	S & S Sterling Hts. Division	PI9501950-2	5/10/1995			Apparatus and Method for Controlling a Steering Assist System, and Method for Designing an Adaptive Filter for an Electric ASsist Steering System
003921-04	DE	145	S & S Sterling Hts. Division	0681955	3/31/1995	69520980.9-d	5/23/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using An Adaptive Blending Torque Filter
003921-05	FR	145	S & S Sterling Hts. Division	95104860.2	3/31/1995	681955	5/23/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using An Adaptive Blending Torque Filter
003921-06	IT	145	S & S Sterling Hts. Division	95104860.2	3/31/1995	681955	5/23/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using An Adaptive Blending Torque Filter
003923-01	US	145	S & S Sterling Hts. Division	08/443,692	5/18/1995	5,517,096	5/14/1996	Power Steering System
003923-06	DE	145	S & S Sterling Hts. Division	EP0726193	2/6/1996	69602386.5-d	5/12/1999	Power Steering System

003923-08	IT	145	S & S Sterling Hts.	96101665.6	2/6/1996	EP0726193	5/12/1999	Power Steering System
003924-00	US	145	S & S Sterling Hts.	08/212.242	3/14/1994	5,667,034	9/16/1997	Power Steering System
003924-02	DE	145	S & S Sterling Hts.	0672574	3/14/1995	69520851	5/9/2001	Power Steering System
003924-03	ES	145	S & S Sterling Hts.	95103695.3	3/14/1995	672574	5/9/2001	Power Steering System
003924-04	FR	145	S & S Sterling Hts.	95103695.3	3/14/1995	672574	5/9/2001	Power Steering System
003924-05	IT	145	S & S Sterling Hts.	95103695.3	3/14/1995	672574	5/9/2001	Power Steering System
003950-00	US	145	S & S Sterling Hts.	08/330,986	10/28/1994	5,544,522	8/13/1996	Steering Assembly And Method
003950-01	MX	145	S & S Sterling Hts.	954,239	10/6/1995	194,090	11/16/1999	Steering Assembly and Method
003950-02	JP	145	S & S Sterling Hts.	27891395	10/26/1995	2,764,023	3/27/1998	Steering Assembly and Method
003950-03	CA	145	S & S Sterling Hts.	2,157,740	9/7/1995	2,157,740	9/1/1998	Steering Assembly and Method
003950-05	DE	145	S & S Sterling Hts.	0709275	10/25/1995	69522890.0-0	9/26/2001	Steering Assembly and Method
003950-06	ES	145	S & S Sterling Hts.	95116801.2	10/25/1995	709275	9/26/2001	Steering Assembly and Method
003950-07	FR	145	S & S Sterling Hts.	95116801.2	10/25/1995	709275	9/26/2001	Steering Assembly and Method
003950-08	GB	145	S & S Sterling Hts.	95116801.2	10/25/1995	709275	9/26/2001	Steering Assembly and Method
003950-09	IT	145	S & S Sterling Hts.	95116801.2	10/25/1995	709275	9/26/2001	Steering Assembly and Method
003951-00	US	145	S & S Sterling Hts.	08/835,630	4/9/1997	5,998,952	12/7/1999	Method and Apparatus for Reducing Torque Ripple in an Electric Motor Using Anticausal Filtering
003951-01	BR	145	S & S Sterling Hts.	PI9801024-7	4/9/1998			Method and Apparatus for Reducing Torque Ripple in an Electric Motor Using Anticausal Filtering
003951-02	JP	145	S & S Sterling Hts.	97864/98	4/9/1998	3,169,889	3/16/2001	Method and Apparatus for Reducing Torque Ripple in an Electric Motor Using Anticausal Filtering
003951-03	EP	145	S & S Sterling Hts.	98106477.7	4/8/1998			Method and Apparatus for Reducing Torque Ripple in an Electric Motor Using Anticausal Filtering
003969-00	US	145	S & S Sterling Hts.	08/329,206	10/26/1994	5,625,239	4/29/1997	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings
003969-02	BR	145	S & S Sterling Hts.	PI9504483-3	10/20/1995	PI9504483-3	4/30/2002	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings
003969-03	JP	145	S & S Sterling Hts.	279329/95	10/26/1995	2,648,296	5/9/1997	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings

003969-04	DE	145	S & S Sterling Hts.	0709648	8/4/1995	69526770.1-d	5/22/2002	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings
003969-05	FR	145	S & S Sterling Hts.	95112306.6	8/4/1995	709648	5/22/2002	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings
003969-06	IT	145	S & S Sterling Hts.	95112306.6	8/4/1995	709648	5/22/2002	Method And Apparatus For Sensing Relative Position Between Two Relatively Rotatable Members Using Concentric Rings
003988-00	US	126	Commercial Steering Division	08/369,369	1/6/1995	5,567,125	10/22/1996	Pump Assembly With Tubular Bypass Liner With At Least One Projection
003988-02	US	126	Commercial Steering Division	08/623,598	3/28/1996	5,782,615	7/21/1998	Pump Assembly Method With a Tubular Bypass Liner
004023-00	US	145	S & S Sterling Hts.	08/594,253	6/25/1998	6,032,755	3/7/2000	Method And Apparatus For Compensating Torque Steer
004023-01	EP	145	S & S Sterling Hts.	96120210.8	12/16/1996			Method And Apparatus For Compensating Torque Steer
004023-03	BR	145	S & S Sterling Hts.	PI9700755	1/23/1997			Method And Apparatus For Compensating Torque Steer
004027-00	US	145	S & S Sterling Hts.	08/246,947	5/20/1994	5,504,403	4/2/1996	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004027-02	JP	145	S & S Sterling Hts.	113206/95	5/11/1995	2,838,053	10/9/1998	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004027-03	BR	145	S & S Sterling Hts.	PI9501990-1	5/10/1995	PI19501990-1	11/24/1998	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004027-04	DE	145	S & S Sterling Hts.	0683086	3/31/1995	69520981.7-d	5/23/2001	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004027-05	FR	145	S & S Sterling Hts.	95104839.6	3/31/1995	683086	5/23/2001	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004027-06	IT	145	S & S Sterling Hts.	95104839.6	3/31/1995	683086	5/23/2001	Method and Apparatus for Controlling an Electric Assist Steering System Using An Adaptive Blending Torque Filter
004028-00	US	145	S & S Sterling Hts.	08/390,691	2/17/1995	5,655,757	8/12/1997	Actively Controlled Damper
004028-01	JP	145	S & S Sterling Hts.	3896/96	1/12/1996	2,937,843	6/11/1999	Actively Controlled Damper
004028-03	DE	145	S & S Sterling Hts.	0727351	2/9/1996	69620816.4-d	4/24/2002	Actively Controlled Damper
004028-04	ES	145	S & S Sterling Hts.	96101930.4	2/9/1996	727351	4/24/2002	Actively Controlled Damper
004028-05	FR	145	S & S Sterling Hts.	96101930.4	2/9/1996	727351	4/24/2002	Actively Controlled Damper
004028-06	GB	145	S & S Sterling Hts.	96101930.4	2/9/1996	727351	4/24/2002	Actively Controlled Damper
004028-07	IT	145	S & S Sterling Hts.	96101930.4	2/9/1996	727351	4/24/2002	Actively Controlled Damper
004039-00	US	273	Transportation Electronics Division	08/502,541	7/14/1995	5,744,872	4/28/1998	Inertia Responsive Apparatus

004039-01	JP	273	Transportation Electronics Division	18468796	7/15/1996	2,853,993	11/20/1998	Inertia Responsive Apparatus
004046-00	US	462	Safety Systems/Mesa	08/305,064	9/13/1994	5,487,559	1/30/1996	Air Bag Inflator With Pressure Sensor
004052-00	US	462	Safety Systems/Mesa	08/323,630	10/17/1994	5,468,017	11/21/1995	Auto Ignition Package For An Air Bag Inflator
004059-00	JP	273	Transportation Electronics Division	21677293	8/31/1993	3,257,871	12/7/2001	Method and Devices for Mounting Ring (jointly owned w/Sony Corp)
004098-00	US	145	S & S Sterling Hts.	08/334,243	11/4/1994	5,475,289	12/12/1995	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004098-02	JP	145	S & S Sterling Hts.	287646/95	11/6/1995	2,638,583	4/25/1997	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004098-03	BR	145	S & S Sterling Hts.	P19504528-7	10/24/1995	P19504528-7	8/8/2000	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004098-04	FR	145	S & S Sterling Hts.	95112311.6	8/4/1995	710599	7/4/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004098-05	DE	145	S & S Sterling Hts.	0710599	8/4/1995	68521586.8-0	7/4/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004098-06	IT	145	S & S Sterling Hts.	95112311.6	8/4/1995	710599	7/4/2001	Method And Apparatus For Controlling An Electric Assist Steering System Using Two-Dimensional Interpolation For Current Commands
004134-00	US	690	TRW Fastening Systems	08/391,140	2/21/1995	5,560,575	10/1/1996	Support and Releasable Fastener Assembly
004134-02	DE	690	TRW Fastening Systems	EP0728951	1/29/1996	69604846.9	9/16/1999	Support and Releasable Fastener Assembly
004134-03	FR	690	TRW Fastening Systems	96101236.6	1/29/1996	EP0728951	9/16/1999	Support and Releasable Fastener Assembly
004134-04	SE	690	TRW Fastening Systems	96101236.6	1/29/1996	EP0728951	9/16/1999	Support and Releasable Fastener Assembly
004134-05	GB	690	TRW Fastening Systems	96101236.6	1/29/1996	EP0728951	9/16/1999	Support and Releasable Fastener Assembly
004139-00	US	462	Safety Systems/Mesa	08/417,984	4/6/1995	5,489,349	2/6/1996	Grains Of Gas Generating Material And Process For Forming The Grains
004139-01	DE	462	Safety Systems/Mesa	19613621.0	4/4/1996	19613621	2/7/2002	Grains Of Gas Generating Material And Process For Forming The Grains
004156-00	US	462	Safety Systems/Mesa	08/342,367	11/18/1994	5,573,271	11/12/1996	Side Impact Air Bag Inflator
004156-04	DE	462	Safety Systems/Mesa	EP0712766	11/17/1995	69515798	3/22/2000	Side Impact Air Bag Inflator
004172-02	JP	145	S & S Sterling Hts.	287643/95	11/6/1995	2,791,300	6/12/1998	Method and Apparatus For Controlling an Electric Assist Motor
004172-03	BR	145	S & S Sterling Hts.	P19504571-6	10/26/1995	P19504571-6	11/14/2000	Method and Apparatus For Controlling an Electric Assist Motor
004172-04	US	145	S & S Sterling Hts.	08/710,742	9/20/1996	6,008,599	12/28/1999	Method and Apparatus For Controlling an Electric Assist Motor

004172-05	DE	145	S & S Sterling Hts.	0710600	8/4/1995	69523408.0	10/24/2001	Method and Apparatus For Controlling an Electric Assist Motor
004172-06	FR	145	S & S Sterling Hts.	95112309.0	8/4/1995	710600	10/24/2001	Method and Apparatus For Controlling an Electric Assist Motor
004172-07	IT	145	S & S Sterling Hts.	95112309.0	8/4/1995	710600	10/24/2001	Method and Apparatus For Controlling an Electric Assist Motor
004177-00	US	145	S & S Sterling Hts.	08/515,513	8/15/1995	5,622,085	4/22/1997	Rack and Pinion Steering Gear With Improved Yoke
004177-01	JP	145	S & S Sterling Hts.	215668/96	8/15/1996	3,115,998	9/29/2000	Rack and Pinion Steering Gear With Improved Yoke
004177-02	BR	145	S & S Sterling Hts.	P19603437-8	8/15/1996	P19603437-8	10/31/2000	Rack and Pinion Steering Gear With Improved Yoke
004177-04	DE	145	S & S Sterling Hts.	0758605	8/14/1996	69620075.9	3/27/2002	Rack and Pinion Steering Gear With Improved Yoke
004177-05	FR	145	S & S Sterling Hts.	96113080.4	8/14/1996	758605	3/27/2002	Rack and Pinion Steering Gear With Improved Yoke
004179-00	US	462	Safety Systems/Mesa	08/421,735	4/13/1995	5,584,500	12/17/1996	Air Bag Mounting Structure With Three Place Clamping
004184-00	US	462	Safety Systems/Mesa	08/427,409	4/24/1995	5,536,040	7/16/1996	Inflator For Side Impact Air Bag
004252-00	US	126	Commercial Steering Division	08/403,488	3/14/1995	5,582,207	12/10/1996	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-01	BR	126	Commercial Steering Division	P19601016-9	3/14/1996	P19601016-9	10/31/2000	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-02	MX	126	Commercial Steering Division	960,949	3/13/1996	194,370	12/2/1999	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-05	DE	126	Commercial Steering Division	0732254	3/13/1996	69621860.7	6/19/2002	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-06	ES	126	Commercial Steering Division	96103989.8	3/13/1996	732254	6/19/2002	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-07	FR	126	Commercial Steering Division	96103989.8	3/13/1996	732254	6/19/2002	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-08	GB	126	Commercial Steering Division	96103989.8	3/13/1996	732254	6/19/2002	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004252-09	IT	126	Commercial Steering Division	96103989.8	3/13/1996	732254	6/19/2002	Steering Control Valve With Flow Gaps Which Change Relative Size For Noise Suppression
004292-00	US	145	S & S Sterling Hts.	08/571,165	12/12/1995	5,697,723	12/16/1997	Joint Assembly
004292-01	JP	145	S & S Sterling Hts.	331989/86	12/12/1996	3,080,593	6/23/2000	Joint Assembly
004292-02	BR	145	S & S Sterling Hts.	P19605971-0	12/11/1996	P19605971-0	3/20/2001	Joint Assembly
004292-03	AU	145	S & S Sterling Hts.	74022/96	11/28/1996	696,588	1/7/1999	Joint Assembly

004292-04	KR	145	S & S Sterling Hts.	96-64800	12/12/1996	203,206	3/23/1999	Joint Assembly
004292-06	CA	145	S & S Sterling Hts.	2,191,927	12/3/1996	2,191,927	12/7/1999	Joint Assembly
004292-07	DE	145	S & S Sterling Hts.	0779442	12/11/1996	69621211.0-Q	5/15/2002	Joint Assembly
004292-08	ES	145	S & S Sterling Hts.	0779442	12/11/1996	2,176,393	5/15/2002	Joint Assembly
004292-09	FR	145	S & S Sterling Hts.	96119871.0	12/11/1996	779442	5/15/2002	Joint Assembly
004292-10	GB	145	S & S Sterling Hts.	96119871.0	12/11/1996	779442	5/15/2002	Joint Assembly
004292-11	IT	145	S & S Sterling Hts.	96119871.0	12/11/1996	779442	5/15/2002	Joint Assembly
004293-00	US	126	Commercial Steering Division	08/423,286	4/17/1995	5,562,017	10/8/1996	Reusable Press Fit Connection Of A Hydraulic Power Apparatus And Method of Assembly
004300-00	US	435	VSSI-Airbags	08/608,176	2/28/1996	5,651,562	7/29/1997	Release Mechanism
004303-00	US	273	Transportation Electronics Division	08/659,400	6/6/1996	5,719,580	2/17/1998	Method And Apparatus For Digital Compensation of VCO Nonlinearity in a Radar System
004303-01	JP	273	Transportation Electronics Division	149716/97	6/6/1997	2,937,947	6/1/1999	Method And Apparatus For Digital Compensation of VCO Nonlinearity in a Radar System
004303-02	GB	273	Transportation Electronics Division	9711516.6	6/3/1997	2,313,970	11/11/1998	Method And Apparatus For Digital Compensation of VCO Nonlinearity in a Radar System
004320-00	US	690	TRW Fastening Systems	08/382,484	2/1/1995	5,567,098	10/22/1996	Releasable Fastener Assembly
004320-02	FR	690	TRW Fastening Systems	96101234.1	1/29/1996	EP0725220	12/22/1999	Releasable Fastener Assembly
004320-03	SE	690	TRW Fastening Systems	96101234.1	1/29/1996	EP0725220	12/22/1999	Releasable Fastener Assembly
004320-04	GB	690	TRW Fastening Systems	96101234.1	1/29/1996	EP0725220	12/22/1999	Releasable Fastener Assembly
004320-05	DE	690	TRW Fastening Systems	EP0725220	1/29/1996	69605690	12/22/1999	Releasable Fastener Assembly
004326-00	US	690	TRW Fastening Systems	08/393,130	2/21/1995	5,601,117	2/1/1997	Flap-Type Pressure Relief Valve
004326-02	GB	690	TRW Fastening Systems	96101235.8	1/29/1996	EP0728606	8/4/1999	Flap-type Pressure Relief Valve
004326-03	FR	690	TRW Fastening Systems	96101235.8	1/29/1996	EP0728606	8/4/1999	Flap-type Pressure Relief Valve
004326-04	DE	690	TRW Fastening Systems	EP0728606	1/29/1996	69603518.9-Q	8/4/1999	Flap-type Pressure Relief Valve
004326-05	SE	690	TRW Fastening Systems	96101235.8	1/29/1996	EP0728606	8/4/1999	Flap-type Pressure Relief Valve

004329-00	US	690	TRW Fastening Systems	08/661,936	6/11/1996	5,881,994	3/16/1999	Variable Temperature Control System for Vehicles (VTCS) JOINTLY OWNED WITH FORD
004329-02	JP	690	TRW Fastening Systems	190360/97	6/11/1997			Variable Temperature Control System for Vehicles (VTCS) JOINTLY OWNED WITH FORD
004329-04	DE	690	TRW Fastening Systems	0812713	6/11/1997	69707755	10/31/2001	Variable Temperature Control System for Vehicles (VTCS) JOINTLY OWNED WITH FORD
004329-06	FR	690	TRW Fastening Systems	97109513.8	6/11/1997	812713	10/31/2001	Variable Temperature Control System for Vehicles (VTCS) JOINTLY OWNED WITH FORD
004329-07	GB	690	TRW Fastening Systems	97109513.8	6/11/1997	812713	10/31/2001	Variable Temperature Control System for Vehicles (VTCS) JOINTLY OWNED WITH FORD
004332-00	US	126	Commercial Steering Division	08/528,425	9/14/1995	5,709,281	1/20/1998	Method and Apparatus for Adjusting Steering Feel
004339-00	US	145	S & S Sterling Hts.	08/451,560	5/26/1995	5,582,265	12/10/1996	Power Steering Assembly
004339-05	DE	145	S & S Sterling Hts.	0744330	5/22/1996	69625276	12/11/2002	Power Steering Assembly
004343-00	US	462	Safety Systems/Mesa	07/832,473	2/7/1992	5,367,956	11/29/1994	Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-01	US	462	Safety Systems/Mesa	08/227,677	4/14/1994	5,691,498	11/25/1997	Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-02	MX	462	Safety Systems/Mesa	949,219	11/29/1994			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-04	JP	462	Safety Systems/Mesa	52694/195	11/28/1994			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-05	CA	462	Safety Systems/Mesa	2,187,758	11/28/1994			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-06	KR	462	Safety Systems/Mesa	96-705/55	11/28/1994			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-07	US	462	Safety Systems/Mesa	09/139,517	8/25/1998	5,942,842	8/24/1999	Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-08	US	462	Safety Systems/Mesa	08/977,321	11/24/1997			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004343-09	EP	462	Safety Systems/Mesa	95904147.6	11/28/1994			Hermetically-Sealed Electrically-Absorptive Low-Pass Radio Frequency Filters and Electro-Magnetically Lossy Ceramic Materials For Said Filters
004359-00	US	273	Transportation Electronics Division	08/658,934	5/31/1996	6,181,254	1/30/2001	Remote Keyless Entry System Having Passive Transmission Mode
004378-00	US	690	TRW Fastening Systems	08/410,825	3/27/1995	5,651,632	7/29/1997	Retainer Assembly
004408-00	US	106	Linkage & Suspension-Canada	08/390,656	2/17/1995	5,556,119	9/17/1996	Control Arm For Use In A Vehicle Wheel Suspension System
004408-02	CA	106	Linkage & Suspension-Canada	2,166,528	1/3/1996	2,166,528	7/27/1999	Control Arm For Use In A Vehicle Wheel Suspension System
004408-03	DE	106	Linkage & Suspension-Canada	19606104.0	2/19/1996			Control Arm For Use In A Vehicle Wheel Suspension System

004420-00	US	462	Safety Systems/Mesa	08/621,441	3/25/1996	5,798,476	8/25/1998	Initiator For An Air Bag Inflator
004425-00	US	690	TRW Fastening Systems	08/440,827	5/15/1995	5,606,893	3/4/1997	Rolling Detent Mechanism
004425-02	MX	690	TRW Fastening Systems	961,806	5/14/1996			Rolling Detent Mechanism
004425-03	JP	690	TRW Fastening Systems	12003796	5/15/1996			Rolling Detent Mechanism
004425-04	DE	690	TRW Fastening Systems	0743587	5/6/1996	69613758.5	7/11/2001	Rolling Detent Mechanism
004425-05	ES	690	TRW Fastening Systems	96107124.8	5/6/1996	743587	7/11/2001	Rolling Detent Mechanism
004425-06	GB	690	TRW Fastening Systems	96107124.8	5/6/1996	743587	7/11/2001	Rolling Detent Mechanism
004425-07	FR	690	TRW Fastening Systems	96107124.8	5/6/1996	743587	7/11/2001	Rolling Detent Mechanism
004425-08	IT	690	TRW Fastening Systems	0743587	5/6/1996	24576BE200	7/11/2001	Rolling Detent Mechanism
004425-09	SE	690	TRW Fastening Systems	96107124.8	5/6/1996	743587	7/11/2001	Rolling Detent Mechanism
004429-00	US	273	Transportation Electronics Division	08/490,715	6/15/1995	5,758,899	6/2/1998	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-01	JP	273	Transportation Electronics Division	14037096	6/3/1996	2,941,216	6/18/1999	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-02	KR	273	Transportation Electronics Division	96-20887	6/12/1996	229,748	8/18/1999	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-04	DE	273	Transportation Electronics Division	0748725	6/13/1996	69612697.4	5/9/2001	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-05	FR	273	Transportation Electronics Division	96109485.1	6/13/1996	748725	5/9/2001	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-06	GB	273	Transportation Electronics Division	96109485.1	6/13/1996	748725	5/9/2001	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004429-07	IT	273	Transportation Electronics Division	96109485.1	6/13/1996	748725	5/9/2001	Method and Apparatus For Providing a Safing Function for Side Impact Crash Sensing Systems
004430-00	US	462	Safety Systems/Mesa	08/529,271	9/15/1995	5,642,903	7/11/1997	Consumable Closure Support For Air Bag Inflator
004437-00	US	462	Safety Systems/Mesa	08/796,434	2/10/1997	5,845,578	12/8/1998	Ignition Element
004437-02	DE	462	Safety Systems/Mesa	0857939	2/9/1998	69809307	11/13/2002	Ignition Element
004441-04	US	126	Commercial Steering Division	08/939,863	9/29/1997	5,813,289	9/29/1998	Steering Column
004457-00	US	273	Transportation Electronics Division	08/430,562	4/28/1995	5,612,647	3/18/1997	Power Window Circuit Board Overcurrent Protection

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004457-01	JP	273	Transportation Electronics Division	109151/96	4/30/1996	3,197,483	6/8/2001	Power Window Circuit Board Overcurrent Protection
004457-02	KR	273	Transportation Electronics Division	96-12839	4/25/1996			Power Window Circuit Board Overcurrent Protection
004457-03	CA	273	Transportation Electronics Division	2,175,137	4/26/1996	2,175,137	4/27/1999	Power Window Circuit Board Overcurrent Protection
004457-04	EP	273	Transportation Electronics Division	96106205.6	4/19/1996			Power Window Circuit Board Overcurrent Protection
004458-01	US	273	Transportation Electronics Division	08/506,779	7/26/1995	5,598,918	2/4/1997	Switch For Vehicle Power Window
004458-02	JP	273	Transportation Electronics Division	124714/96	5/20/1996	3,108,011	9/8/2000	Switch For Vehicle Power Window
004458-03	GB	273	Transportation Electronics Division	9609968.4	5/13/1996	2,300,973	7/29/1998	Switch for Controlling Movement of a Vehicle Window
004458-04	DE	273	Transportation Electronics Division	19620235.3	5/20/1996			Switch For Vehicle Power Window
004458-05	CA	273	Transportation Electronics Division	2,176,845	5/16/1996	2,176.85	7/27/1999	Switch For Vehicle Power Window
004458-07	KR	273	Transportation Electronics Division	96-16620	5/17/1996	192,137	1/28/1999	Switch For Vehicle Power Window
004459-00	US	462	Safety Systems/Mesa	08/556,334	11/13/1995	5,817,972	10/6/1998	Iron Oxide as a Coolant and Residue Former in Organic Propellant
004459-01	JP	462	Safety Systems/Mesa	300481/96	11/12/1996	2,901,928	3/19/1999	Iron Oxide as a Coolant and Residue Former in Organic Propellant
004459-02	DE	462	Safety Systems/Mesa	19646931.7	11/13/1996			Iron Oxide as a Coolant and Residue Former in Organic Propellant
004464-00	US	462	Safety Systems/Mesa	09/039,345	3/13/1998	6,017,057	1/25/2000	Inflatable Vehicle Occupant Protection Device
004464-01	DE	462	Safety Systems/Mesa	19911082.4	5/12/1999			Inflatable Vehicle Occupant Protection Device
004474-00	US	145	S & S Sterling Hts.	08/431,123	4/28/1995	5,713,429	2/3/1998	Power Steering System
004474-01	JP	145	S & S Sterling Hts.	106562/96	4/26/1996	2,750,112	2/20/1998	Power Steering System
004474-02	KR	145	S & S Sterling Hts.	96-13054	4/26/1996	203,980	3/25/1999	Power Steering System
004474-03	MX	145	S & S Sterling Hts.	961,562	4/26/1996			Power Steering System
004474-04	BR	145	S & S Sterling Hts.	P19602102	4/26/1996	9602102-0	11/14/2000	Power Steering System
004474-05	CA	145	S & S Sterling Hts.	2,175,136	4/26/1996	2,175,136	3/23/1999	Power Steering System
004474-07	DE	145	S & S Sterling Hts.	0739807	4/24/1996	69625268.6	12/11/2002	Power Steering System

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004474-08	ES	145	S & S Sterling Hts.	96106474.8	4/24/1996	739807	12/11/2002	Power Steering System
004474-09	FR	145	S & S Sterling Hts.	96106474.8	4/24/1996	739807	12/11/2002	Power Steering System
004474-10	GB	145	S & S Sterling Hts.	96106474.8	4/24/1996	739807	12/11/2002	Power Steering System
004474-11	IT	145	S & S Sterling Hts.	96106474.8	4/24/1996	739807	12/11/2002	Power Steering System
004483-00	US	690	TRW Fastening Systems	08/452,308	5/26/1995	5,505,324	4/9/1996	Hole Closure
004516-00	US	462	Safety Systems/Mesa	08/567,957	12/6/1995	5,733,135	3/31/1998	Air Bag Inflator Assembly With Shorting Clip
004516-02	DE	462	Safety Systems/Mesa	19650761.8	12/6/1996	19650761	12/30/1999	Air Bag Inflator Assembly With Shorting Clip
004529-00	US	462	Safety Systems/Mesa	08/542,281	10/12/1995	5,651,903	7/29/1997	Method and Apparatus for Evaluating Laser Welding
004555-00	US	145	S & S Sterling Hts.	08/534,077	9/26/1995	5,542,343	8/6/1996	Power Steering Assembly With Damping Ring
004555-02	DE	145	S & S Sterling Hts.	0765794	9/26/1996	69620328.6-0	4/3/2002	Power Steering Assembly With Damping Ring
004555-03	ES	145	S & S Sterling Hts.	96115493.7	9/26/1996	765794	4/3/2002	Power Steering Assembly With Damping Ring
004555-04	FR	145	S & S Sterling Hts.	96115493.7	9/26/1996	765794	4/3/2002	Power Steering Assembly With Damping Ring
004555-05	GB	145	S & S Sterling Hts.	96115493.7	9/26/1996	765794	4/3/2002	Power Steering Assembly With Damping Ring
004555-06	IT	145	S & S Sterling Hts.	96115493.7	9/26/1996	765794	4/3/2002	Power Steering Assembly With Damping Ring
004563-01	JP	273	Transportation Electronics Division	139794/98	5/21/1998	3,106,125	9/1/2000	A Keyless Vehicle Entry System Employing Voice Signals
004563-02	DE	273	Transportation Electronics Division	19822989.5	5/22/1998	19822989	6/6/2002	A Keyless Vehicle Entry System Employing Voice Signals
004568-00	US	462	Safety Systems/Mesa	08/528,794	9/15/1995	5,584,501	12/17/1996	Vehicle Occupant Restraint Apparatus
004569-00	US	795	TRW Koyo Steering Systems Co.	08/571,088	12/12/1995	5,709,283	1/20/1998	Method and Apparatus For a Hydraulic Seal Retainer For a Rack and Pinion Steering Gear
004578-00	US	106	Linkage & Suspension-Canada	08/554,300	11/6/1995	5,603,583	2/18/1997	Tie Rod Assembly For Vehicle Steering Linkages
004578-01	JP	106	Linkage & Suspension-Canada	293669/96	11/6/1996	2,739,859	1/23/1998	Tie Rod Assembly For Vehicle Steering Linkages
004578-02	DE	106	Linkage & Suspension-Canada	19645726.2	11/6/1996	19645726	9/20/2001	Tie Rod Assembly For Vehicle Steering Linkages
004578-03	BR	106	Linkage & Suspension-Canada	P19605442-5	11/6/1996	P19605442-5	10/31/2000	Tie Rod Assembly For Vehicle Steering Linkages

004579-00	US	145	S & S Sterling Hts.	08/595,492	2/1/1996	6,010,271	1/4/2000	Joint Assembly
004579-01	CA	145	S & S Sterling Hts.	2,196,511	1/31/1997	2,196,511	7/23/2002	Joint Assembly
004579-02	DE	145	S & S Sterling Hts.	19703968.5	2/3/1997			Joint Assembly
004589-00	US	126	Commercial Steering Division	08/661,663	5/20/1996	5,711,189	1/27/1998	Steering Column
004589-01	AU	126	Commercial Steering Division	2015097	5/12/1997	696,474		Steering Column
004589-02	MX	126	Commercial Steering Division	974,039	5/30/1997			Steering Column
004589-04	BR	126	Commercial Steering Division	P19706870-5	5/20/1997			Steering Column
004590-00	US	145	S & S Sterling Hts.	08/533,734	9/26/1995	5,678,947	10/21/1997	Joint Assembly
004590-01	JP	145	S & S Sterling Hts.	249805/96	9/20/1996	2,967,054	8/13/1999	Joint Assembly
004590-02	DE	145	S & S Sterling Hts.	19639626.3	9/26/1996			Joint Assembly
004590-03	CA	145	S & S Sterling Hts.	2,185,773	9/17/1996	2,185,773	11/30/1999	Joint Assembly
004594-00	US	435	VSSI-Airbags	09/027,311	2/20/1998	6,158,768	12/12/2000	Apparatus and Method for Discerning Certain Occupant Characteristics Using a Plurality of Capacitive Sensors
004598-00	US	273	Transportation Electronics Division	08/589,846	1/22/1996	5,826,902	10/27/1998	Method and Apparatus For Sensing Impact Crash Conditions With Safing Function
004598-01	KR	273	Transportation Electronics Division	96-78656	12/30/1996	244,368	11/22/1999	Method and Apparatus For Sensing Impact Crash Conditions With Safing Function
004598-02	JP	273	Transportation Electronics Division	9484/97	1/22/1997	2,795,641	6/26/1998	Method and Apparatus For Sensing Impact Crash Conditions With Safing Function
004598-03	EP	273	Transportation Electronics Division	96120447.6	12/18/1996			Method and Apparatus For Sensing Impact Crash Conditions With Safing Function
004604-00	US	273	Transportation Electronics Division	08/645,831	5/14/1996	5,894,207	4/13/1999	Method and Apparatus For Controlling a Seat Position Motor And a Seat Heater
004605-00	US	145	S & S Sterling Hts.	08/519,245	8/25/1995	5,568,930	10/29/1996	Joint Assembly
004606-00	US	126	Commercial Steering Division	08/656,066	5/31/1996	5,645,299	7/8/1997	Steering Column Support
004606-01	AU	126	Commercial Steering Division	20811/97	5/12/1997	695,278	11/28/1998	Steering Column Shaft
004606-02	MX	126	Commercial Steering Division	974,029	5/30/1997	198,131	8/17/2000	Steering Column Shaft
004606-04	BR	126	Commercial Steering Division	P19703351-0	5/30/1997			Steering Column Shaft

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004607-00	US	126	Commercial Steering Division	08/679,289	7/12/1996	5,802,924	9/8/1998	Shroud for a Vehicle Steering Column
004607-01	AU	126	Commercial Steering Division	28621/97	7/11/1997	689,410	7/9/1998	Shroud for a Vehicle Steering Column
004608-00	US	145	S & S Sterling Hts.	08/566,118	11/30/1995	5,732,791	3/31/1998	Steering Apparatus
004608-02	BR	145	S & S Sterling Hts.	P19605768	11/29/1996	P19605768-8	2/20/2001	Steering Apparatus
004608-03	AU	145	S & S Sterling Hts.	74016/96	11/27/1996	682,807	2/5/1998	Steering Apparatus
004608-05	DE	145	S & S Sterling Hts.	0776813	11/28/1996	69618912.7-0	1/30/2002	Steering Apparatus
004608-06	ES	145	S & S Sterling Hts.	96119082.4	11/28/1996	776813	1/30/2002	Steering Apparatus
004608-09	IT	145	S & S Sterling Hts.	0776813	11/28/1996	22659BE/200	1/30/2002	Steering Apparatus
004631-00	US	690	TRW Fastening Systems	08/603,447	2/20/1996	5,785,285	7/28/1998	Pipe Support Assembly
004631-02	DE	690	TRW Fastening Systems	0793044	2/20/1997	69709204.6-0	12/19/2001	Pipe Support Assembly
004631-03	FR	690	TRW Fastening Systems	97102792.5	2/20/1997	793044	12/19/2001	Pipe Support Assembly
004631-04	GB	690	TRW Fastening Systems	97102792.5	2/20/1997	793044	12/19/2001	Pipe Support Assembly
004640-01	JP	273	Transportation Electronics Division	256010/96	9/27/1996	2,855,107	11/20/1998	Switch Control Assembly
004640-02	KR	273	Transportation Electronics Division	96-41966	9/24/1996	206,064	4/7/1999	Switch Control Assembly
004643-00	US	145	S & S Sterling Hts.	08/608,407	2/28/1996	5,842,538	12/1/1998	Power Steering Control Valve
004648-00	US	273	Transportation Electronics Division	08/619,995	3/21/1996	5,864,295	1/26/1999	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004648-02	JP	273	Transportation Electronics Division	62826/97	3/17/1997	2,972,628	8/27/1999	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004648-03	DE	273	Transportation Electronics Division	0796768	1/23/1997	69712254.9-0	5/2/2002	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004648-04	FR	273	Transportation Electronics Division	97101059.0	1/23/1997	796768	5/2/2002	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004648-05	GB	273	Transportation Electronics Division	97101059.0	1/23/1997	796768	5/2/2002	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004648-06	IT	273	Transportation Electronics Division	97101059.0	1/23/1997	796768	5/2/2002	Apparatus For Sensing Occupant Weight In An Actuable Restraint System
004649-00	US	273	Transportation Electronics Division	08/719,267	9/24/1996	5,783,871	7/21/1998	Apparatus and Method for Sensing a Rearward Facing Child Seat

004649-01	DE	273	Transportation Electronics Division	19742141.5	9/24/1997	19742141	9/7/2000	Apparatus and Method for Sensing a Rearward Facing Child Seat
004651-00	US	273	Transportation Electronics Division	08/777,753	12/30/1996	5,864,105	1/26/1999	Method and Apparatus for Controlling An Adjustable Device
004653-00	US	273	Transportation Electronics Division	08/756,948	12/2/1996	5,828,138	10/27/1998	Acceleration Switch
004653-01	EP	273	Transportation Electronics Division	97122084.3	12/15/1997			ACCELERATION SWITCH
004658-01	US	273	Transportation Electronics Division	08/886,372	7/1/1997	5,982,124	11/9/1999	Method and Apparatus for Adaptive Control of a Vehicle Power Window
004665-00	US	273	Transportation Electronics Division	08/719,082	9/24/1996	5,935,182	8/10/1999	Method and Apparatus for Discriminating a Vehicle Crash Using Virtual Sensing
004665-01	JP	273	Transportation Electronics Division	242983/97	9/8/1997			Method and Apparatus for Discriminating a Vehicle Crash Using Virtual Sensing
004665-02	IT	273	Transportation Electronics Division	M197A002042	9/8/1997	1,294,994	4/27/1999	Method and Apparatus for Discriminating a Vehicle Crash Using Virtual Sensing
004665-03	DE	273	Transportation Electronics Division	19742140.7	9/24/1997			Method and Apparatus for Discriminating a Vehicle Crash Using Virtual Sensing
004673-00	US	273	Transportation Electronics Division	08/638,890	4/25/1996	5,723,912	3/3/1998	Remote Keyless Entry System Having A Helical Antenna
004673-02	JP	273	Transportation Electronics Division	538354/97	4/25/1997			Remote Keyless Entry System Having A Helical Antenna
004673-03	EP	273	Transportation Electronics Division	97922471.4	4/25/1997			Remote Keyless Entry System Having A Helical Antenna
004675-00	US	145	S & S Sterling Hts.	08/593,950	1/30/1996	5,730,244	3/24/1998	Lightweight Hydraulic Power Steering Gear
004676-00	US	145	S & S Sterling Hts.	08/581,775	1/2/1996	5,836,417	11/17/1998	Power Steering Fluid
004676-01	JP	145	S & S Sterling Hts.	200/97	1/6/1997	2,909,038	4/2/1999	Power Steering Fluid
004676-02	BR	145	S & S Sterling Hts.	P19700004.3	1/2/1997	P19700004.3	7/24/2001	Power Steering Fluid
004676-04	DE	145	S & S Sterling Hts.	0783033	12/30/1996	69614988.5-0	9/5/2001	Power Steering Fluid
004676-05	GB	145	S & S Sterling Hts.	96120981.4	12/30/1996	783033	9/5/2001	Power Steering Fluid
004676-06	IT	145	S & S Sterling Hts.	96120981.4	12/30/1996	783033	9/5/2001	Power Steering Fluid
004677-00	US	126	Commercial Steering Division	08/721,727	9/27/1996	5,695,202	12/9/1997	Flexible Boot For Enclosing a Universal Joint
004677-01	MX	126	Commercial Steering Division	977,381	9/26/1997	206,130	1/24/2002	Flexible Boot For Enclosing a Universal Joint
004677-02	ES	126	Commercial Steering Division	9702021	9/26/1997	2,159,992	8/1/2002	Flexible Boot For Enclosing a Universal Joint

004677-04	IN	126	Commercial Steering Division	2691/DEL97	9/22/1997				Flexible Boot For Enclosing a Universal Joint
004678-00	US	145	S & S Sterling Hts.	08/608,138	2/28/1996	5,737,995	4/14/1998		Power Steering System
004678-02	AU	145	S & S Sterling Hts.	21378/97	2/27/1997	703,713	7/15/1999		Power Steering System
004678-03	BR	145	S & S Sterling Hts.	PI9707737-2	2/27/1997	PI9707737	6/11/2002		Power Steering System
004678-04	JP	145	S & S Sterling Hts.	531081/97	8/28/1998	3,165,448	3/2/2001		Power Steering System
004678-05	MX	145	S & S Sterling Hts.	987,067	2/27/1997				Power Steering System With a Variable Bias Between Valve Elements
004678-06	CA	145	S & S Sterling Hts.	2,247,260	2/27/1997				Power Steering System With a Variable Bias Between Valve Elements
004678-07	KR	145	S & S Sterling Hts.	98-706781	2/27/1997				Power Steering System
004678-08	EP	145	S & S Sterling Hts.	97906776.6	2/27/1997				Power Steering System
004683-00	US	145	S & S Sterling Hts.	08/608,408	2/28/1996	5,664,416	9/9/1997		Filling A Vehicle Power Steering System
004696-00	US	273	Transportation Electronics Division	08/766,531	12/13/1996	6,202,488	3/20/2001		Vehicle Rollover Sensor
004696-02	DE	273	Transportation Electronics Division	0847901	12/12/1997	69707815.9-0	10/31/2001		Vehicle Rollover Sensor
004696-03	GB	273	Transportation Electronics Division	97121979.5	12/12/1997	847901	10/31/2001		Vehicle Rollover Sensor
004696-04	IT	273	Transportation Electronics Division	97121979.5	12/12/1997	847901	10/31/2001		Vehicle Rollover Sensor
004699-00	US	273	Transportation Electronics Division	08/635,698	4/22/1996	5,702,124	12/30/1997		Method and Apparatus For Sensing A Vehicle Crash Using A Displacement Velocity Metric
004699-02	JP	273	Transportation Electronics Division	538254/97	4/22/1997				Method and Apparatus For Sensing A Vehicle Crash Using A Displacement Velocity Metric
004702-00	US	166	Valve Division	08/665,201	5/29/1997	5,738,060	4/14/1998		Poppet Valve and Method of Making the Poppet Valve
004717-00	US	145	S & S Sterling Hts.	08/686,089	7/24/1996	5,924,518	7/20/1999		Linear Drive Electric Assist Steering System
004720-00	US	462	Safety Systems/Mesa	08/557,433	11/14/1995	5,639,114	6/17/1997		Steering Wheel With Air Bag Cover And Horn Switch
004747-00	US	273	Transportation Electronics Division	08/669,179	6/24/1996	5,764,057	6/9/1998		Sensor Unit With Shell Structure
004748-01	US	273	Transportation Electronics Division	08/969,977	11/13/1997	5,848,611	12/15/1998		Rotary Valve
004763-00	US	273	Transportation Electronics Division	08/946,333	10/7/1997	5,950,813	9/14/1999		Electrical Switch

004766-00	US	462	Safety Systems/Mesa	08/701,026	8/21/1996	5,673,930	10/7/1997	Vehicle Occupant Protection Apparatus
004771-00	US	273	Transportation Electronics Division	08/730,674	10/11/1996	6,266,592	7/24/2001	Apparatus and Method for Sensing a Rearward Facing Child Seat Using Beat Frequency Detection
004774-00	US	126	Commercial Steering Division	08/681,173	7/22/1996	5,779,007	7/14/1998	Shock Absorber with Hydraulic Fluid Control Rod
004777-00	US	273	Transportation Electronics Division	08/651,265	5/23/1996	5,755,526	5/26/1998	Ball and Socket Joint
004787-00	US	145	S & S Sterling Hts.	08/811,672	3/5/1997	6,234,488	5/22/2001	Heat Shrinkable Boot Seal and Method of Installation
004787-01	JP	145	S & S Sterling Hts.	300925/98	10/22/1998			Heat Shrinkable Boot Seal and Method of Installation
004787-02	BR	145	S & S Sterling Hts.	P19804291-2	10/27/1998			Heat Shrinkable Boot Seal and Method of Installation
004787-03	EP	145	S & S Sterling Hts.	98120659.2	11/4/1998			Heat Shrinkable Boot Seal and Method of Installation
004787-04	US	145	S & S Sterling Hts.	09/602,226	6/23/2000	6,322,085	11/27/2001	Laminated Tubular Structure
004796-00	JP	690	TRW Fastening Systems	159794/96	6/20/1996			Clip (Jointly owned with Togo)
004802-00	US	690	TRW Fastening Systems	08/651,528	5/22/1996	5,732,916	3/31/1998	Attachment Plate For Connection To Vehicle Panels
004804-00	US	690	TRW Fastening Systems	08/661,938	6/11/1996	5,636,953	6/10/1997	Roof Rail Attachment Assembly
004804-01	GB	690	TRW Fastening Systems	97/11669.3	6/5/1997	2,314,134	8/8/2000	Fastener Assembly
004804-02	DE	690	TRW Fastening Systems	19724656.7	6/11/1997			Roof Rail Attachment Assembly
004804-03	FR	690	TRW Fastening Systems	97/07233	6/11/1997	2,749,619	2/16/2001	Fixation Rail
004805-00	US	690	TRW Fastening Systems	08/651,756	5/22/1996	5,647,713	7/15/1997	Plastic Panel Fastener and Method of Forming the Same
004805-01	GB	690	TRW Fastening Systems	9710486.3	5/21/1997	2,313,400	8/15/2000	Panel Fastener
004805-02	DE	690	TRW Fastening Systems	19721314.6	5/21/1997			Serviceable Panel Retainer
004805-03	FR	690	TRW Fastening Systems	97/06255	5/22/1997			Serviceable Panel Retainer
004816-00	US	273	Transportation Electronics Division	08/716,879	9/20/1996	5,677,079	10/14/1997	Battery Terminal System
004852-00	US	273	Transportation Electronics Division	08/782,773	1/13/1997	5,790,031	8/4/1998	Apparatus and Method for Sensing a Rearward Facing Child Seat with Error Detection
004859-00	US	273	Transportation Electronics Division	08/613,133	3/8/1996	5,684,337	11/4/1997	Keyless Vehicle Entry Receiver Having A Diagnostic Mode of Operation

004861-00	US	145	S & S Sterling Hts.	08/798,354	2/10/1997	6,026,924	2/22/2000	Steering Gear
004868-00	US	273	Transportation Electronics Division	08/820,604	3/19/1997	5,847,346	12/8/1998	Configurable Electric Switch for Vehicle
004869-00	US	273	Transportation Electronics Division	08/763,073	12/10/1996	5,731,675	3/24/1998	Adjustable Motor Control Circuit For Power Windows
004869-01	EP	273	Transportation Electronics Division	97121615.5	12/8/1997			Adjustable Motor Control Circuit For Power Windows
004872-00	US	273	Transportation Electronics Division	08/946,336	10/7/1997	5,945,647	8/31/1999	Electrical Control Apparatus with a Member Having Rotary and Axial Operation
004874-00	US	462	Safety Systems/Mesa	08/740,263	10/25/1996	5,826,913	10/27/1998	Air Bag with Retaining Ring
004910-00	US	462	Safety Systems/Mesa	08/820,925	3/19/1997	5,951,040	9/14/1999	Air Bag Inflator with Pressure Regulation
004910-01	JP	462	Safety Systems/Mesa	70832/98	3/19/1998	2,960,043	7/30/1999	Air Bag Inflator with Pressure Regulation
004910-02	DE	462	Safety Systems/Mesa	19812221.7	3/19/1998			Air Bag Inflator with Pressure Regulation
004914-00	US	273	Transportation Electronics Division	08/921,938	8/27/1997	6,157,372	12/5/2000	Method and Apparatus for Controlling a Plurality of Controllable Devices
004924-00	US	690	TRW Fastening Systems	08/716,097	9/19/1996	5,772,160	6/30/1998	Support Bracket For Releasable Mounting to Spaced Tubes
004924-01	DE	690	TRW Fastening Systems	19739951.7	9/11/1997			Support Bracket For Releasable Mounting to Spaced Tubes
004929-00	US	273	Transportation Electronics Division	08/887,773	7/3/1997	5,938,708	8/17/1999	A Vehicle Computer System Having a Non-Interrupt Cooperative Multi-Tasking Kernel and a Method of Controlling a Plurality of Vehicle Processes
004932-00	US	126	Commercial Steering Division	08/905,172	8/1/1997	6,070,483	6/6/2000	Lash Adjustment Assembly
004932-01	EP	126	Commercial Steering Division	98114471.0	7/31/1998			Lash Adjustment Assembly
004941-00	US	273	Transportation Electronics Division	08/888,306	7/3/1997	6,408,324	6/18/2002	An Operating System Having a Non-Interrupt Cooperative Multi-Tasking Kernel and a Method of Controlling a Plurality of processes with the System
004942-00	US	273	Transportation Electronics Division	08/738,968	10/24/1996	5,818,235	10/6/1998	Improved Electrostatic Discharge Testing
004951-00	US	462	Safety Systems/Mesa	08/702,838	8/23/1996	6,120,058	9/19/2000	Air Bag Inflator
004951-01	KR	462	Safety Systems/Mesa	97-39272	8/19/1997	254711	2/7/2000	Apparatus And Method For Inflating A Vehicle Occupant Protection Device
004951-03	DE	462	Safety Systems/Mesa	0825074	8/14/1997	69713967	7/17/2002	Air Bag Inflator
004959-00	US	690	TRW Fastening Systems	08/837,576	4/21/1997	5,904,618	5/18/1999	Pressure Relief Valve
004959-03	DE	690	TRW Fastening Systems	0874182	4/21/1998	69802330.7-1	11/7/2001	Pressure Relief Valve

004959-04	FR	690	TRW Fastening Systems	98107264.8	4/21/1998	874182	11/7/2001	Pressure Relief Valve
004959-05	GB	690	TRW Fastening Systems	98107264.8	4/21/1998	874182	11/7/2001	Pressure Relief Valve
004959-06	IT	690	TRW Fastening Systems	0874182	4/21/1998	20410BE/200	11/7/2001	Pressure Relief Valve
004959-07	SE	690	TRW Fastening Systems	98107264.8	4/21/1998	874182	11/7/2001	Pressure Relief Valve
004960-00	US	690	TRW Fastening Systems	08/807,722	2/28/1997	5,727,999	3/17/1998	Vehicle Ventilation Valve
004960-02	DE	690	TRW Fastening Systems	0861748	2/9/1998	69805464.4-C	5/22/2002	Vehicle Ventilation Valve
004960-03	FR	690	TRW Fastening Systems	98102217.1	2/9/1998	861748	5/22/2002	Vehicle Ventilation Valve
004960-04	GB	690	TRW Fastening Systems	98102217.1	2/9/1998	861748	5/22/2002	Vehicle Ventilation Valve
004960-05	IT	690	TRW Fastening Systems	98102217.1	2/9/1998	861748	5/22/2002	Vehicle Ventilation Valve
004976-00	US	126	Commercial Steering Division	08/814,402	3/11/1997	5,953,960	9/21/1999	Steering Apparatus
004976-01	BR	126	Commercial Steering Division	P19800873-0	3/11/1998			Steering Apparatus
004976-02	EP	126	Commercial Steering Division	98104229.4	3/10/1998			Steering Apparatus
004986-00	US	690	TRW Fastening Systems	08/856,203	5/14/1997	5,830,000	11/3/1998	Locking Lever Connector Mechanism
004986-02	DE	690	TRW Fastening Systems	0878869	5/14/1998	69804149.6-1	3/13/2002	Locking Lever Connector Mechanism
004986-03	ES	690	TRW Fastening Systems	98108813.1	5/14/1998	878869	3/13/2002	Locking Lever Connector Mechanism
004986-04	FR	690	TRW Fastening Systems	98108813.1	5/14/1998	878869	3/13/2002	Locking Lever Connector Mechanism
004986-05	GB	690	TRW Fastening Systems	98108813.1	5/14/1998	878869	3/13/2002	Locking Lever Connector Mechanism
004986-06	IT	690	TRW Fastening Systems	98108813.1	5/14/1998	878869	3/13/2002	Locking Lever Connector Mechanism
004993-00	US	166	Valve Division	08/811,334	3/4/1997	5,771,852	6/30/1998	Poppet Valve with Embossed Neck Structure
004999-00	US	145	S & S Sterling Hts.	08/762,403	12/9/1996	5,730,040	3/24/1998	Power Steering Control Valve with Increased Resistance to Relative Rotation Between Valve Core and Valve Sleeve
005000-00	US	145	S & S Sterling Hts.	08/762,605	12/9/1996	5,784,507	8/18/1998	Power Steering Control Valve with Back Pressure
005000-01	JP	145	S & S Sterling Hts.	338644/97	12/9/1997	3,004,956	11/19/1999	Power Steering Control Valve with Back Pressure

005000-02	AU	145	S & S Sterling Hts.	46913/97	12/8/1997	696,873	1/7/1999	Power Steering Control Valve with Back Pressure
005000-04	DE	145	S & S Sterling Hts.	0846609	12/9/1997	69713723.6	7/3/2002	Power Steering Control Valve with Back Pressure
005000-05	ES	145	S & S Sterling Hts.	97121653.6	12/9/1997	846609	7/3/2002	Power Steering Control Valve with Back Pressure
005000-06	GB	145	S & S Sterling Hts.	97121653.6	12/9/1997	846609	7/3/2002	Power Steering Control Valve with Back Pressure
005000-07	IT	145	S & S Sterling Hts.	97121653.6	12/9/1997	846609	7/3/2002	Power Steering Control Valve with Back Pressure
005001-00	US	145	S & S Sterling Hts.	08762,597	12/9/1996	5,799,693	9/1/1998	Power Steering Control Valve with Noise Reduction
005001-01	JP	145	S & S Sterling Hts.	337266/97	12/8/1997	2,960,041	7/30/1999	Power Steering Control Valve with Noise Reduction
005001-02	AU	145	S & S Sterling Hts.	46912/97	12/8/1997	698,302	2/11/1999	Power Steering Control Valve with Noise Reduction
005001-04	DE	145	S & S Sterling Hts.	0846608	12/9/1997	69710691.8-C-2/27/2002	6/18/1999	Power Steering Control Valve with Noise Reduction
005002-00	US	145	S & S Sterling Hts.	08783,648	1/15/1997	5,937,728	8/17/1999	Power Steering Control Valve with Noise Reduction
005002-01	JP	145	S & S Sterling Hts.	5835/98	1/14/1998	2,941,244	6/18/1999	Power Steering Control Valve with Noise Reduction
005002-02	EP	145	S & S Sterling Hts.	98100564.8	1/14/1998			Power Steering Control Valve with Noise Reduction
005003-00	US	145	S & S Sterling Hts.	08762,600	12/9/1996	5,975,137	11/2/1999	Power Steering Control Valve
005003-01	JP	145	S & S Sterling Hts.	338632/97	12/9/1997	3,084,263	6/30/2000	Power Steering Control Valve
005003-02	EP	145	S & S Sterling Hts.	97121645.2	12/9/1997			Power Steering Control Valve
005010-00	US	126	Commercial Steering Division	08/815,444	3/11/1997	5,954,149	9/21/1999	Vehicle Cab Motion Control
005010-01	EP	126	Commercial Steering Division	98104230.2	3/10/1998			Vehicle Cab Motion Control
005011-00	US	126	Commercial Steering Division	08/873,638	6/12/1997	6,026,339	2/15/2000	Apparatus and Method for Providing an Inertial Velocity Signal in an Active Suspension Control System
005014-00	US	273	Transportation Electronics Division	09/007,899	1/15/1998	5,926,752	7/20/1999	Apparatus and Method for Remote Convenience Message Transmission and Control With a Tunable Filter Receiver
005014-01	EP	273	Transportation Electronics Division	99100654.5	1/14/1999			Apparatus and Method for Remote Convenience Message Transmission and Control With a Tunable Filter Receiver
005019-00	US	273	Transportation Electronics Division	08/720,353	9/27/1996	5,746,444	5/5/1998	Method and Apparatus for Single Point Sensing of Front and Side Impact Crash Conditions
005019-01	DE	273	Transportation Electronics Division	19743009.0	9/29/1997			Method and Apparatus for Single Point Sensing of Front and Side Impact Crash Conditions

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005042-00	US	273	Transportation Electronics Division	08/870,188	6/6/1997	5,983,084	11/9/1999	Transmitter Having an Improved LC Oscillator
005052-00	US	273	Transportation Electronics Division	09/080,365	3/31/1998	6,191,703	2/20/2001	Remote Convenience System and Method with Proximity-Based Disabling RFO Preventing Inadvertent Function Activation
005056-02	BR	145	S & S Sterling Hts.	PI9800713-0	2/19/1998			Rack Guide
005056-03	JP	145	S & S Sterling Hts.	41441/98	2/24/1998	3,020,475	1/14/2000	Rack Guide
005056-04	KR	145	S & S Sterling Hts.	98-5548	2/23/1998	296058	5/7/2001	Rack Guide
005056-05	JP	145	S & S Sterling Hts.	109544/98	4/20/1998	2,960,048	7/30/1999	Rack Guide
005056-06	BR	145	S & S Sterling Hts.	PI9801414-5	4/20/1998			Rack Guide
005056-07	KR	145	S & S Sterling Hts.	98-13953	4/18/1998	296057	5/7/2001	Rack Guide
005056-10	US	145	S & S Sterling Hts.	09/123,575	7/27/1998	6,076,417	6/20/2000	Rack Guide Having Linear Inner Walls for Supporting a Rack
005057-00	US	145	S & S Sterling Hts.	08/843,416	4/15/1997	5,992,556	11/30/1999	Method and Apparatus for Damping Control of an Electric Assist Steering System With Vehicle Speed Loss Feature
005057-01	JP	145	S & S Sterling Hts.	98656/98	4/10/1998	2,945,895	6/25/1999	Method and Apparatus for Damping Control of an Electric Assist Steering System With Vehicle Speed Loss Feature
005057-02	BR	145	S & S Sterling Hts.	PI9801047-6	4/14/1998			Method and Apparatus for Damping Control of an Electric Assist Steering System With Vehicle Speed Loss Feature
005057-03	EP	145	S & S Sterling Hts.	98105435.6	3/25/1998			Method and Apparatus for Damping Control of an Electric Assist Steering System With Vehicle Speed Loss Feature
005072-00	US	473	VSSI-Seat Belts	08/800,263	2/13/1997	5,742,986	4/28/1998	Seat Belt Buckle with Hall Effect Locking Indicator and Method of Use
005083-00	US	462	Safety Systems/Mesa	08/819,890	3/18/1997	5,799,969	9/1/1998	Vehicle Occupant Protection Apparatus
005096-00	US	462	Safety Systems/Mesa	08/810,580	3/4/1997	6,050,597	4/18/2000	Horn Switch for Air Bag Module
005096-01	DE	462	Safety Systems/Mesa	19809225.3	3/4/1998			Horn Switch for Air Bag Module
005111-00	US	435	VSSI-Airbags	08/848,074	5/1/1997	6,024,379	2/15/2000	Vehicle Occupant Protection Apparatus
005111-01	EP	435	VSSI-Airbags	98107954.4	4/30/1998			Vehicle Occupant Protection Apparatus
005113-00	US	145	S & S Sterling Hts.	08/847,571	4/24/1997	5,961,309	10/5/1999	Gear Pump with Noise Attenuation
005113-01	JP	145	S & S Sterling Hts.	114522/98	4/24/1998	2,960,049	7/30/1999	Gear Pump with Noise Attenuation
005113-02	BR	145	S & S Sterling Hts.	PI9801458.7	4/24/1998			Gear Pump with Noise Attenuation

005113-03	AU	145	S & S Sterling Hts.	63565/98	4/23/1998	695,369	11/26/1998	Hydraulic Power Steering System With Noise Attenuation
005113-04	EP	145	S & S Sterling Hts.	98107515.3	4/24/1998			Gear Pump with Noise Attenuation
005117-00	US	273	Transportation Electronics Division	08/955,470	10/21/1997	5,964,815	10/12/1999	An Occupant Restraint System Having Serially Connected Devices, A Method for Providing the Restraint System and a Method for Using the Restraint System
005117-01	EP	273	Transportation Electronics Division	98119493.9	10/15/1998			Occupant Restraint System having Serially Connected Devices
005153-00	US	462	Safety Systems/Mesa	08/811,313	3/4/1997	5,836,609	11/17/1998	Horn Switch for Air Bag Module
005153-01	DE	462	Safety Systems/Mesa	19809226.1	3/4/1998			Horn Switch for Air Bag Module
005154-00	US	462	Safety Systems/Mesa	08/811,335	3/4/1997	5,934,702	8/10/1999	Horn Switch for Air Bag Module
005154-01	DE	462	Safety Systems/Mesa	19809228.8	3/4/1998			Horn Switch for Air Bag Module
005161-00	US	273	Transportation Electronics Division	08/960,381	10/29/1997	6,145,874	11/14/2000	Passenger Air Bag Disable Switch
005192-00	US	273	Transportation Electronics Division	08/892,876	7/15/1997	5,892,433	4/6/1999	Timing Circuit For Airbag Disable Switch
005192-03	JP	273	Transportation Electronics Division	200751/98	7/15/1998	3,001,514	11/12/1999	Timing Circuit For Airbag Disable Switch
005200-00	US	464	TRW Steering Wheel Systems	08/951,528	10/16/1997	6,006,628	12/28/1999	Apparatus for Attaching a Vehicle Steering Wheel
005215-00	US	145	S & S Sterling Hts.	09/198,126	11/23/1998	6,158,983	12/12/2000	Pump Having Muffler for Attenuation Noise
005215-01	EP	145	S & S Sterling Hts.	99123377.6	11/23/1999			Pump With Manifold Having Integral Muffler
005216-00	US	145	S & S Sterling Hts.	09/018,002	2/3/1998	6,175,792	1/16/2001	Apparatus and Method for Improving Dynamic Response of an Active Roll Control Vehicle Suspension System
005216-01	BR	145	S & S Sterling Hts.	PI9805335.3	12/11/1998			Apparatus and Method for Improving Dynamic Response of an Active Roll Control Vehicle Suspension System
005216-02	EP	145	S & S Sterling Hts.	98121777.1	11/16/1998			Apparatus and Method for Improving Dynamic Response of an Active Roll Control Vehicle Suspension System
005216-03	JP	145	S & S Sterling Hts.	6987/99	1/13/1999	3,277,168	2/8/2002	Apparatus and Method for Improving Dynamic Response of an Active Roll Control Vehicle Suspension System
005217-00	US	273	Transportation Electronics Division	08/887,772	7/3/1997	6,104,308	8/15/2000	A Communication System and Method Utilizing An Interface Protocol for a Multiple Device Vehicle Occupant Restraint System
005217-01	DE	273	Transportation Electronics Division	19829842.0	7/3/1998			A Communication System and Method Utilizing An Interface Protocol for a Multiple Device Vehicle Occupant Restraint System
005223-00	US	145	S & S Sterling Hts.	08/823,291	3/21/1997	5,730,531	3/24/1998	Center Bearing Assembly with Rheological Fluid for Damping Vibrations
005223-01	EP	145	S & S Sterling Hts.	98105134.5	3/20/1998			Center Bearing Assembly with Rheological Fluid for Damping Vibrations

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005223-02	CA	145	S & S Sterling Hts.	2,233,106	3/20/1998	2,33,106	6/4/2002	Center Bearing Assembly with Rheological Fluid for Damping Vibrations
005224-00	US	462	Safety Systems/Mesa	08/815,251	3/12/1997	5,939,660	8/17/1999	Inflator for an Inflatable Vehicle Occupant Protection Device
005224-01	EP	462	Safety Systems/Mesa	98104484.5	3/12/1998			Inflator for an Inflatable Vehicle Occupant Protection Device
005232-00	US	273	Transportation Electronics Division	08/931,602	9/16/1997	5,906,393	5/25/1999	Occupant Restraint System and Control Method With Variable Sense, Sample, and Determination Rates
005233-00	US	273	Transportation Electronics Division	08/994,202	12/19/1997	6,311,112	10/30/2001	Occupant Restraint System and Method Having Smart Process Initiation Control
005234-00	US	273	Transportation Electronics Division	08/931,132	9/16/1997	5,904,368	5/18/1999	Occupant Restraint System and Control Method with Variable Sensor Rate and/or Sample Date
005238-01	JP	145	S & S Sterling Hts.	126569/99	5/7/1999	3,025,263	1/21/2000	Method of Making a Ball Joint
005238-02	DE	145	S & S Sterling Hts.	19921107.8	5/7/1999			Method of Making a Ball Joint
005253-00	US	273	Transportation Electronics Division	08/911,784	8/15/1997	5,842,657	12/1/1998	Rotac (Rotary Actuator) Actuated Seat Belt Pretensioner
005257-00	US	273	Transportation Electronics Division	08/968,622	11/12/1997	5,961,144	10/5/1999	Folded Combination Horn Pad and Driver Position Sensor Assembly and Method for Providing the Assembly
005260-00	US	462	Safety Systems/Mesa	08/969,028	11/12/1997	6,368,431	4/9/2002	Air Bag Inflator
005260-01	DE	462	Safety Systems/Mesa	19852318.1	11/12/1998			Air Bag Inflator
005263-00	US	462	Safety Systems/Mesa	09/013,579	1/27/1998	6,143,103	11/7/2000	Gas Generating Material for Vehicle Occupant Protection Device
005263-01	DE	462	Safety Systems/Mesa	19903024.3	1/26/1999	19903024	5/16/2002	Gas Generating Material for Vehicle Occupant Protection Device
005270-00	US	126	Commercial Steering Division	08/962,015	10/31/1997	6,036,941	3/21/2000	Telescoping Torque Transmitting Shaft Assembly
005270-01	EP	126	Commercial Steering Division	98120521.4	10/29/1998			Telescoping Torque Transmitting Shaft Assembly
005270-02	BR	126	Commercial Steering Division	PI9804326-9	10/29/1998			Telescoping Torque Transmitting Shaft Assembly
005271-00	US	126	Commercial Steering Division	08/159,899	9/24/1998	6,019,012	2/1/2000	Lash Adjustment Mechanism
005272-00	US	126	Commercial Steering Division	08/854,857	5/12/1997	5,853,194	12/29/1998	Collapsible Steering Shaft Assembly
005274-00	US	126	Commercial Steering Division	08/919,723	8/28/1997	5,927,891	7/27/1999	Boot Seal for a Ball and Socket Joint
005274-01	EP	126	Commercial Steering Division	98116379.3	8/28/1998			Boot Seal for a Ball and Socket Joint
005276-00	US	145	S & S Sterling Hts.	08/866,191	6/3/1997	5,921,344	7/13/1999	Electric Steering System

005276-01	JP	145	S & S Sterling Hts.	154488/98	6/3/1998	2,972,722	8/27/1999	Electric Steering System
005276-02	BR	145	S & S Sterling Hts.	P19801765-9	6/3/1998			Electric Steering System
005276-03	EP	145	S & S Sterling Hts.	98110061.3	6/3/1998			Electric Steering System
005277-00	US	145	S & S Sterling Hts.	09/826,093	4/4/2001	6,503,871	1/7/2003	Power Steering Fluid Additive
005281-00	US	126	Commercial Steering Division	09/196,018	11/19/1998	6,131,481	10/17/2000	Steering Column
005299-00	US	145	S & S Sterling Hts.	08/885,589	7/11/1997	5,921,850	7/13/1999	Apparatus for Loading a Workpiece Into a Through Feed Mechanism
005300-00	US	462	Safety Systems/Mesa	08/863,460	5/27/1997	5,821,446	10/13/1998	Inflator for an Inflatable Vehicle Occupant Protection Device
005309-00	US	273	Transportation Electronics Division	09/260,222	3/1/1999	6,335,576	1/1/2002	Remote Keyless Entry Receiver Having Correctly Matched Transmitters
005310-00	US	273	Transportation Electronics Division	09/759,731	1/12/2001	6,494,102	12/17/2002	Magnetostrictive Stress Sensor
005315-00	US	462	Safety Systems/Mesa	08/965,511	11/6/1997	6,012,737	1/11/2000	Vehicle Occupant Protection Apparatus
005315-01	DE	462	Safety Systems/Mesa	19851263.5	11/6/1998			Vehicle Occupant Protection Apparatus
005316-00	US	462	Safety Systems/Mesa	08/946,152	10/7/1997	5,967,550	10/19/1999	Staged Pyrotechnic Air Bag Inflator
005316-01	DE	462	Safety Systems/Mesa	19846185.2	10/7/1998			Staged Pyrotechnic Air Bag Inflator
005332-00	US	273	Transportation Electronics Division	09/005,054	1/9/1998	6,039,344	3/21/2000	Vehicle Occupant Weight Sensor Apparatus
005333-00	US	273	Transportation Electronics Division	08/931,726	9/16/1997	6,018,693	1/25/2000	Occupant Restraint System and Control Method with Variable Occupant Position Boundary
005333-02	DE	273	Transportation Electronics Division	0908357	9/9/1998	69809679.7	11/27/2002	Occupant Restraint System and Control Method with Variable Occupant Position Boundary
005333-03	FR	273	Transportation Electronics Division	98117296.8	9/9/1998	908357	11/27/2002	Occupant Restraint System and Control Method with Variable Occupant Position Boundary
005333-04	GB	273	Transportation Electronics Division	98117296.8	9/9/1998	908357	11/27/2002	Occupant Restraint System and Control Method with Variable Occupant Position Boundary
005339-00	US	273	Transportation Electronics Division	08/800,349	7/25/1997	5,966,784	10/19/1999	Seat Belt Buckle Switch-Utilizing Hall Device With Reversing Magnetic Field
005339-01	CA	273	Transportation Electronics Division	2,242,708	7/8/1998	2,242,708	9/25/2001	Method and Apparatus for Indicating the Locked or Unlocked Condition of a Seat Belt Buckle
005339-02	EP	273	Transportation Electronics Division	98113598.1	7/21/1998			Seat Belt Buckle Switch-Utilizing Hall Device With Reversing Magnetic Field
005340-00	US	273	Transportation Electronics Division	09/097,091	6/11/1998	5,991,234	11/23/1999	Ultrasonic Sensor System and Method Having Automatic Excitation Frequency Adjustment

005355-00	US	464	TRW Steering Wheel Systems	07/025,190	3/12/1987	4,785,194	11/15/1988	Multiple Switch Control System
005358-00	US	464	TRW Steering Wheel Systems	07/915,252	7/20/1992	5,243,877	9/4/1993	Steering Wheel Rim
005360-00	US	464	TRW Steering Wheel Systems	08/425,725	4/20/1995	5,498,022	3/12/1996	Vehicle Interior With Color Coordinated Substrate
005361-00	US	464	TRW Steering Wheel Systems	08/435,756	5/5/1995	5,536,543	7/16/1996	Illuminated Soft Feel Button
005364-00	US	464	TRW Steering Wheel Systems	08/336,322	11/8/1994	5,624,131	4/29/1997	Driver Side Airbag Cover
005366-00	US	464	TRW Steering Wheel Systems	08/508,422	7/31/1995	5,750,062	5/12/1998	Method of Manufacturing an Air Bag Cover
005373-00	US	462	Safety Systems/Mesa	09/052,413	3/31/1998	6,228,193	5/8/2001	Vehicle Occupant Protection Device and Solid Solution Gas Generating Composition Therefor
005373-01	DE	462	Safety Systems/Mesa	19911687.3	3/16/1999			Vehicle Occupant Protection Device and Solid Solution Gas Generating Composition Therefor
005378-00	US	462	Safety Systems/Mesa	08/946,153	10/7/1997	6,010,148	1/4/2000	Air Bag Cover with Membrane Type Horn Switch
005379-00	US	462	Safety Systems/Mesa	08/954,014	10/20/1997	5,947,512	9/7/1999	Tethered Horn Switch for Air Bag Module
005385-00	US	462	Safety Systems/Mesa	08/946,316	10/7/1997	5,897,137	4/27/1999	Technique for Detecting A Leak of Air Bag Inflation Gas from a Storage Chamber
005388-00	US	273	Transportation Electronics Division	09/055,830	4/6/1998	6,265,988	7/24/2001	Apparatus and Method for Remote Convenience Message Transmission and Control Utilizing Frequency Diversity
005389-00	US	273	Transportation Electronics Division	08/974,869	11/20/1997	5,847,911	12/8/1998	Self-Protecting Switch Apparatus for Controlling a Heat Element of a Vehicle Seat and a Method for Providing the Apparatus
005392-01	US	462	Safety Systems/Mesa	09/458,482	12/9/1999	6,096,997	8/1/2000	Method of Assembling an Igniter
005399-00	US	690	TRW Fastening Systems	08/949,150	10/27/1997	6,319,436	11/20/2001	Floor Pan Seal Plug With Thermoexpanding Seal Ring and Axial Guide Members and Method for Making Same
005399-01	EP	690	TRW Fastening Systems	98119407.9	10/14/1998			Seal Plug with Thermoexpanding Seal Ring and Method for Making
005408-00	US	145	S & S Sterling Hts.	08/956,573	10/23/1997	5,839,398	11/24/1998	Power Steering Fluid Temperature Control
005409-00	US	462	Safety Systems/Mesa	09/026,980	2/20/1998	6,143,104	11/7/2000	Cool Burning Gas Generating Compositions
005409-01	DE	462	Safety Systems/Mesa	19907198.5	2/19/1999			Cool Burning Gas Generating Compositions
005409-02	JP	462	Safety Systems/Mesa	40167/99	2/18/1999	3,157,501	2/9/2001	Cool Burning Gas Generating Compositions
005417-00	US	145	S & S Sterling Hts.	08/951,529	10/16/1997	5,931,597	8/3/1999	Ball Joint
005417-01	CA	145	S & S Sterling Hts.	2,251,421	10/16/1998			Ball Joint

005417-02	JP	145	S & S Sterling Hts.	295285/98	10/16/1998	3,030,289	2/4/2000	Ball Joint
005417-03	DE	145	S & S Sterling Hts.	19847842.9	10/16/1998			Ball Joint
005418-00	US	145	S & S Sterling Hts.	08/984,512	12/3/1997	5,975,234	11/2/1999	Electric Steering System with Plastic Motor Tube
005418-01	JP	145	S & S Sterling Hts.	344294/98	12/3/1998	3,133,294	11/24/2000	Electric Steering System with Plastic Motor Tube
005418-02	BR	145	S & S Sterling Hts.	P19805138.5	12/3/1998			Electric Steering System with Plastic Motor Tube
005418-03	EP	145	S & S Sterling Hts.	98122986.7	12/3/1998			Electric Steering System with Plastic Motor Tube
005419-00	US	106	Linkage & Suspension-Canada	08/960,378	10/29/1997	6,070,445	6/6/2000	Method of Manufacturing the Control Arm
005419-01	JP	106	Linkage & Suspension-Canada	308574/98	10/29/1998	3,320,022	6/21/2002	Control Arm and Method of Manufacturing the Control Arm
005419-02	BR	106	Linkage & Suspension-Canada	P19804325-0	10/29/1998			Control Arm and Method of Manufacturing the Control Arm
005419-03	CA	106	Linkage & Suspension-Canada	2,251,149	10/26/1998			Control Arm and Method of Manufacturing the Control Arm
005419-04	EP	106	Linkage & Suspension-Canada	98120519.8	10/29/1998			Control Arm and Method of Manufacturing the Control Arm
005425-00	US	462	Safety Systems/Mesa	08/946,149	10/7/1997	6,017,054	1/25/2000	Vehicle Occupant Protection Apparatus
005425-01	DE	462	Safety Systems/Mesa	19846184.4	10/7/1998			Vehicle Occupant Protection Apparatus
005437-00	US	462	Safety Systems/Mesa	09/167,282	10/7/1998	6,176,511	1/23/2001	Air Bag Module
005438-00	US	462	Safety Systems/Mesa	08/985,493	11/6/1997	5,951,042	9/14/1999	Vehicle Occupant Protection Apparatus
005438-01	DE	462	Safety Systems/Mesa	19851262.7	11/6/1998			Vehicle Occupant Protection Apparatus
005449-00	US	126	Commercial Steering Division	09/076,271	5/12/1998	6,062,982	5/16/2000	Force Transmitting Apparatus
005449-01	MX	126	Commercial Steering Division	992389	3/11/1999			Force Transmitting Apparatus
005449-10	BR	126	Commercial Steering Division	9901433-5	5/11/1999			Force Transmitting Apparatus
005450-00	US	126	Commercial Steering Division	09/010,767	1/23/1998	5,911,451	6/15/1999	Method of Adjusting Steering Mechanism
005450-01	BR	126	Commercial Steering Division	P19900140-3	1/25/1999			Method of Adjusting Steering Mechanism
005450-02	EP	126	Commercial Steering Division	99101067.9	1/25/1999			Method of Adjusting Steering Mechanism

005456-00	US	462	Safety Systems/Mesa	08/963,399	11/3/1997	6,017,055	1/25/2000	Vehicle Occupant Protection Apparatus
005456-01	DE	462	Safety Systems/Mesa	19850648.1	11/3/1998			Vehicle Occupant Protection Apparatus
005459-00	US	462	Safety Systems/Mesa	09/062,949	4/20/1998	6,007,096	12/28/1999	Inflator Having a Pressure Monitoring Initiator
005459-01	DE	462	Safety Systems/Mesa	19917877.1	4/20/1999			Inflator Having a Pressure Monitoring Initiator
005462-00	US	462	Safety Systems/Mesa	08/972,941	11/18/1997	5,906,394	5/25/1999	Completely Non-Pyrotechnic Air Bag Inflator
005466-00	US	464	TRW Steering Wheel Systems	08/909,186	8/11/1997	5,897,132	4/27/1999	Coupling Means for Integral Steering Wheel Gear Assemblies
005466-01	DE	464	TRW Steering Wheel Systems	19747810.7	10/29/1997			Coupling Means for Integral Steering Wheel Gear Assemblies
005467-00	US	464	TRW Steering Wheel Systems	08/909,215	8/11/1997	6,142,504	11/7/2000	Steering Wheel and Air Bag Assembly Attachment to a Steering Shaft
005467-01	DE	464	TRW Steering Wheel Systems	19747809.3	10/29/1997			Integral Steering Wheel Gear Assembly
005468-00	US	464	TRW Steering Wheel Systems	08/949,569	10/14/1997	6,122,992	9/26/2000	Steering Wheel and Air Bag Assembly
005468-01	DE	464	TRW Steering Wheel Systems	19747808.5	10/29/1997			Combined Worm Gear Securing Means For Integral Wheel Assemblies
005469-00	US	464	TRW Steering Wheel Systems	08/909,426	8/11/1997	5,887,494	3/30/1999	Multi-Gear Attachment Tool for a Steering Wheel Assembly
005469-01	DE	464	TRW Steering Wheel Systems	19747807.7	10/29/1997			Multi-Gear Attachment Tool for Integral Steering Wheel Gear Assembly
005477-00	US	145	S & S Sterling Hts.	09/098,136	6/16/1998	6,068,078	5/30/2000	Electric Steering System
005477-01	JP	145	S & S Sterling Hts.	158312/99	6/4/1999	3,299,520	4/19/2002	Electric Steering System
005477-02	DE	145	S & S Sterling Hts.	19826341.8	6/9/1999			Electric Steering System
005478-00	US	462	Safety Systems/Mesa	09/012,636	1/23/1998	6,131,947	10/17/2000	Electrical Connector for Air Bag Inflator
005478-01	DE	462	Safety Systems/Mesa	19902542.8	1/22/1999			Electrical Connector for Air Bag Inflator
005484-00	US	462	Safety Systems/Mesa	08/969,024	11/12/1997	5,979,934	11/9/1999	Device for Detecting a Decrease in Hydrogen Pressure in an Air-Bag Inflation System
005485-00	US	462	Safety Systems/Mesa	09/102,145	6/22/1998	5,902,010	5/11/1999	Vehicle Occupant Restraint Apparatus
005485-01	DE	462	Safety Systems/Mesa	19928594.2	6/22/1999			Vehicle Occupant Restraint Apparatus
005540-00	US	126	Commercial Steering Division	08/988,327	12/10/1997	6,026,858	2/22/2000	Power Steering Assembly

005540-01	BR	126	Commercial Steering Division	P19805206.3	12/7/1998				Power Steering Assembly
005540-02	EP	126	Commercial Steering Division	98122121.1	11/24/1998				Power Steering Assembly
005546-00	US	273	Transportation Electronics Division	09/227,972	18/1999	6,236,850	5/22/2001		Apparatus and Method for Remote Convenience Function Control with Increased Effective Receiver Seek and Time and Reduced Power Consumption
005604-00	US	273	Transportation Electronics Division	09/025,594	2/18/1998	5,930,417	7/27/1999		Switch Apparatus
005618-00	US	273	Transportation Electronics Division	09/197,143	11/20/1998	6,186,539	2/13/2001		Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing and Crush Zone Sensor
005618-01	GB	273	Transportation Electronics Division	9926692.2	11/12/1999	2,343,977	1/31/2001		Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing and Crush Zone Sensor
005618-02	DE	273	Transportation Electronics Division	19955559.1	11/18/1999				Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing and Crush Zone Sensor
005619-00	US	145	S & S Sterling Hts.	08/990,339	12/15/1997	6,176,343	1/23/2001		Vehicle Steering Apparatus
005619-01	JP	145	S & S Sterling Hts.	356232/98	12/15/1998				Vehicle Steering Apparatus
005619-02	EP	145	S & S Sterling Hts.	98123508.8	12/15/1998				Vehicle Steering Apparatus
005638-00	US	462	Safety Systems/Mesa	08/997,135	12/23/1997	5,904,369	5/18/1999		Catalytically Plated Air Bag
005638-01	DE	462	Safety Systems/Mesa	19858674.4	12/23/1998				Catalytically Plated Air Bag
005639-00	US	462	Safety Systems/Mesa	09/085,414	5/27/1998	5,975,565	11/2/1999		Vehicle Occupant Protection Apparatus
005658-00	US	273	Transportation Electronics Division	09/007,272	1/14/1998	5,924,557	7/20/1999		Electrical Switch with Contact Spring
005661-00	US	273	Transportation Electronics Division	09/018,429	2/4/1998	6,070,687	6/6/2000		Vehicle Occupant Restraint Device, System, and Method Having an Anti-Theft Feature
005661-01	DE	273	Transportation Electronics Division	19904546.1	2/4/1999				Vehicle Occupant Restraint Device, System, and Method Having an Anti-Theft Feature
005665-00	US	273	Transportation Electronics Division	09/007,746	1/15/1998	6,000,717	12/14/1999		Vehicle Occupant Protection Apparatus
005666-00	US	273	Transportation Electronics Division	09/178,945	10/26/1998	6,040,532	3/21/2000		Vehicle Occupant Weight Sensor
005667-00	US	273	Transportation Electronics Division	09/243,917	2/3/1999	6,087,598	7/1/2000		Weight Sensing Apparatus for Vehicle Seat
005667-01	DE	273	Transportation Electronics Division	10004484.0	2/2/2000				Weight Sensing Apparatus for Vehicle Seat
005669-00	US	273	Transportation Electronics Division	09/108,819	7/1/1998	6,036,225	3/14/2000		Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing
005669-01	GB	273	Transportation Electronics Division	9915045	7/8/1999	2,339,047	9/13/2000		Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing

005669-02	DE	273	Transportation Electronics Division	19930065.8	6/30/1999				Method and Apparatus for Controlling an Actuable Restraint Device Using Crash Severity Indexing
005676-00	US	462	Safety Systems/Mesa	08/965,510	11/6/1997	5,911,433	6/15/1999		Vehicle Occupant Protection Apparatus
005677-00	US	462	Safety Systems/Mesa	09/310,807	5/12/1999	6,173,495	1/16/2001		High Strength Low Carbon Air Bag Quality Seamless Tubing
005677-01	DE	462	Safety Systems/Mesa	10022462.8	5/9/2000				High Strength Low Carbon Air Bag Quality Seamless Tubing
005678-01	DE	462	Safety Systems/Mesa	10022463.6	5/9/2000				High Strength Air Bag Quality Steel
005678-02	US	462	Safety Systems/Mesa	10/053,144	1/18/2002				High Strength Air Bag Quality Steel
005679-00	US	462	Safety Systems/Mesa	09/022,095	2/11/1998	5,927,804	7/27/1999		Vehicle Occupant Protection Apparatus
005679-01	DE	462	Safety Systems/Mesa	19900368.8	1/7/1999				Vehicle Occupant Protection Apparatus
005681-00	US	273	Transportation Electronics Division	09/084,713	5/26/1998	6,155,118	12/5/2000		Apparatus for Testing a Device that Generates an Audible Sound in a Vehicle Occupant Compartment
005687-00	US	273	Transportation Electronics Division	09/199,684	11/25/1998	6,236,035	5/22/2001		Apparatus and Method for Sensing with Triangulation and Time-of-Flight for Use in an Actuable Occupant Restraint System
005708-00	US	462	Safety Systems/Mesa	09/178,393	10/23/1998	6,249,228	6/19/2001		Vehicle Occupant Protection Device and System Having an Anti-Theft, Anti-Tamper Feature
005708-01	DE	462	Safety Systems/Mesa	19950561.6	10/20/1999				Vehicle Occupant Protection Device, System, and Method Having an Anti-theft, Anti-tamper Feature
005708-02	JP	462	Safety Systems/Mesa	30249299	10/25/1999				Vehicle Occupant Protection Device and System Having an Anti-Theft, Anti-Tamper Feature
005716-00	US	462	Safety Systems/Mesa	08/986,243	12/5/1997	5,979,935	11/9/1999		Apparatus and Method for Sensing Gas Pressure Inside an Inflator
005723-00	US	462	Safety Systems/Mesa	09/027,142	2/20/1998	6,056,314	5/2/2000		Initiator Retainer for Air Bag Inflator
005724-00	US	462	Safety Systems/Mesa	09/067,289	4/27/1998	6,116,642	9/12/2000		Inflator for Inflating an Inflatable Vehicle Occupant Protection Device
005724-01	DE	462	Safety Systems/Mesa	19918401.1	4/22/1999				Inflator for Inflating an Inflatable Vehicle Occupant Protection Device
005727-00	US	462	Safety Systems/Mesa	09/031,412	2/28/1998	6,161,481	12/19/2000		Air Bag Inflator
005730-00	US	145	S & S Sterling Hts.	08/962,692	11/3/1997	6,039,337	3/21/2000		Vehicle Suspension Apparatus
005731-00	US	145	S & S Sterling Hts.	09/009,009	1/16/1998	6,237,464	5/29/2001		Centering Mechanism for a Power Steering Control Valve
005733-00	US	145	S & S Sterling Hts.	09/971,448	11/17/1997	5,934,405	8/10/1999		Power Steering Control Valve
005733-01	JP	145	S & S Sterling Hts.	32700098	11/17/1998				Power Steering Control Valve

005733-03	DE	145	S & S Sterling Hts.	0916567	11/9/1998	69804071.6-0	3/6/2002	Power Steering Control Valve
005733-04	ES	145	S & S Sterling Hts.	98121283.0	11/9/1998	916567	3/6/2002	Power Steering Control Valve
005733-05	GB	145	S & S Sterling Hts.	98121283.0	11/9/1998	916567	3/6/2002	Power Steering Control Valve
005733-06	IT	145	S & S Sterling Hts.	98121283.0	11/9/1998	916567	3/6/2002	Power Steering Control Valve
005743-00	US	462	Safety Systems/Mesa	09/087,247	5/29/1998	6,158,769	12/12/2000	Inflator Slope Control Device
005753-00	US	273	Transportation Electronics Division	09/038,587	3/11/1998	5,913,414	6/22/1999	Illuminated Switch Apparatus
005755-00	US	273	Transportation Electronics Division	09/096,115	6/11/1998	6,338,028	1/8/2002	Ultrasonic Sensor System and Method Having Input Capture for Echo Processing
005759-00	US	462	Safety Systems/Mesa	09/062,978	4/20/1998	6,422,591	7/23/2002	Vehicle Occupant Protection Apparatus
005759-01	DE	462	Safety Systems/Mesa	19917876.3	4/20/1999			Vehicle Occupant Protection Apparatus
005775-00	US	462	Safety Systems/Mesa	09/039,123	3/13/1998	6,120,055	9/19/2000	Vehicle Occupant Protection Apparatus
005775-01	DE	462	Safety Systems/Mesa	19911083.2	3/11/1999			Vehicle Occupant Protection Apparatus
005784-00	US	462	Safety Systems/Mesa	09/052,414	3/31/1998	6,010,152	1/4/2000	Air Bag Inflator
005785-00	US	462	Safety Systems/Mesa	09/123,821	7/28/1998	6,004,410	12/21/1999	Apparatus Comprising an Inflatable Vehicle Occupant Protection Device and a Gas Generating Composition Therefor
005785-01	DE	462	Safety Systems/Mesa	19935187.2	7/26/1999			An Apparatus Comprising an Inflatable Vehicle Occupant Protection Device and a Gas Generating Composition Therefor
005788-00	US	145	S & S Sterling Hts.	09/264,204	3/8/1999	6,295,879	10/2/2001	Torque Sensing Apparatus for an Electric Assist Steering System
005788-01	JP	145	S & S Sterling Hts.	2000-63105	3/8/2000			Torque Sensing Apparatus
005788-02	BR	145	S & S Sterling Hts.	0000152.0	1/24/2000			Torque Sensing Apparatus
005788-03	EP	145	S & S Sterling Hts.	00104934.5	3/8/2000			Torque Sensing Apparatus
005789-00	US	145	S & S Sterling Hts.	09/056,151	6/11/1998	6,123,167	9/26/2000	Electric Steering Motor With One-Piece Metal Shell
005789-01	JP	145	S & S Sterling Hts.	130852/89	5/12/1999	3,124,965	10/27/2000	Electric Steering Motor With One-Piece Metal Shell
005789-02	BR	145	S & S Sterling Hts.	P19902230-3	6/10/1999			Electric Steering Motor With One-Piece Metal Shell
005789-03	EP	145	S & S Sterling Hts.	99110976.0	6/8/1999			Electric Steering Motor With One-Piece Metal Shell

005790-00	US	145	S & S Sterling Hts.	09/064,864	4/22/1998	6,382,343	5/7/2002	Power Steering Apparatus
005790-01	BR	145	S & S Sterling Hts.	9901388-6	4/20/1999			Power Steering Apparatus
005790-02	DE	145	S & S Sterling Hts.	19918403.8	4/21/1999			Power Steering Apparatus
005791-00	US	145	S & S Sterling Hts.	09/122,571	7/24/1998	6,149,166	11/21/2000	Apparatus for use in a Vehicle Suspension
005791-01	CA	145	S & S Sterling Hts.	2,279,009	7/23/1999			Apparatus for use in a Vehicle Suspension
005791-02	BR	145	S & S Sterling Hts.	PI9903404-2	7/26/1999			Apparatus for use in a Vehicle Suspension
005791-03	EP	145	S & S Sterling Hts.	99114643.2	7/26/1999			Apparatus for use in a Vehicle Suspension
005792-00	US	106	Linkage & Suspension-Canada	09/012,200	1/23/1998	5,975,573	11/2/1999	Steering System
005797-00	US	145	S & S Sterling Hts.	09/057,816	4/9/1998	6,082,403	7/4/2000	Power Steering Control Valve With Back Pressure (Edge Designs For Anti-Groan Valves)
005797-01	JP	145	S & S Sterling Hts.	102174/99	3/9/1999	3,238,672	10/5/2001	Power Steering Control Valve With Back Pressure (Edge Designs For Anti-Groan Valves)
005797-02	EP	145	S & S Sterling Hts.	99106192.0	4/9/1999			Power Steering Control Valve With Back Pressure (Edge Designs For Anti-Groan Valves)
005797-07	BR	145	S & S Sterling Hts.	PI9902594-9	4/9/1999			Power Steering Control Valve With Back Pressure (Edge Designs For Anti-Groan Valves)
005801-00	US	462	Safety Systems/Mesa	09/064,868	4/22/1998	6,086,084	7/11/2000	Air Bag Inflator
005805-00	US	273	Transportation Electronics Division	09/055,751	4/6/1998	6,384,710	5/7/2002	Apparatus and Method For Remote Convenience Message Reception For A System Utilizing Frequency Diversity
005806-00	US	462	Safety Systems/Mesa	09/129,710	8/5/1998	6,206,414	3/27/2001	Air Bag Inflator Including Plural Burst Disks
005806-01	DE	462	Safety Systems/Mesa	19936822.8	8/5/1999			Air Bag Inflator Including Plural Burst Disks
005816-00	US	145	S & S Sterling Hts.	09/271,706	3/19/1999	6,301,976	10/16/2001	Torque Sensing Apparatus
005816-01	BR	145	S & S Sterling Hts.	PI0002405-8	5/8/2000			Torque Sensing Apparatus
005816-03	JP	145	S & S Sterling Hts.	2000-66056	3/10/2000	3,253,947	11/22/2001	Torque Detecting Device
005816-04	EP	145	S & S Sterling Hts.	00105425.3	3/15/2000			Torque Sensing Apparatus
005817-00	US	145	S & S Sterling Hts.	09/299,111	4/23/1999	6,467,360	10/22/2002	Torque Sensing Apparatus and Method
005817-01	JP	145	S & S Sterling Hts.	2000-114825	4/17/2000	3,243,467	10/19/2001	Apparatus and Method for Detection of Torque

Patent No.	Country	Class	Div/Dept	Pub No.	Pub Date	App No.	App Date	Abstract
005817-02	BR	145	S & S Sterling Hts.	P10001654-3	4/19/2000			Torque Sensing Apparatus and Method
005817-03	EP	145	S & S Sterling Hts.	00108791.5	4/25/2000			Torque Sensing Apparatus and Method
005824-00	US	273	Transportation Electronics Division	09/178,392	10/23/1998	6,072,247	6/6/2000	Cantilevered Acceleration Switch Responsive To Acceleration Parallel to Plane of Substrate Upon Which the Switch is Fabricated and Methods
005824-01	DE	273	Transportation Electronics Division	19950557.8	10/20/1999			Cantilevered Acceleration Switch Responsive To Acceleration Parallel to Plane of Substrate Upon Which the Switch is Fabricated and Methods
005828-00	US	273	Transportation Electronics Division	09/121,786	7/23/1998	6,212,454	4/3/2001	Method and Apparatus for Disabling an Actuable Restraint Based on Determined Crash Velocity and Displacement
005828-01	DE	273	Transportation Electronics Division	19933923.6	7/20/1999			Method and Apparatus for Disabling an Actuable Restraint Based on Determined Crash Velocity and Displacement
005829-00	US	273	Transportation Electronics Division	09/027,310	2/20/1998	6,034,600	3/7/2000	Turn Signal System and Method With Steering Wheel Mounted Control of Conventional and Lane Shift Indications
005835-00	US	462	Safety Systems/Mesa	09/039,145	3/13/1998	6,131,948	10/17/2000	Air Bag Inflator
005837-00	US	166	Valve Division	08/950,103	10/16/1997	5,823,158	10/20/1998	Engine Valve and Method For Making The Same
005839-00	US	690	TRW Fastening Systems	09/054,581	4/3/1998	6,129,186	10/10/2000	Rotational Damper
005839-01	EP	690	TRW Fastening Systems	99106801.6	4/6/1999			Rotational Damper
005860-00	US	462	Safety Systems/Mesa	09/057,815	4/9/1998	6,033,017	3/7/2000	Vehicle Occupant Protection Apparatus
005861-00	US	462	Safety Systems/Mesa	09/093,898	6/9/1998	6,086,097	7/11/2000	Vehicle Occupant Protection Apparatus
005899-00	US	145	S & S Sterling Hts.	09/064,863	4/22/1998	6,068,249	5/30/2000	Controllable Vehicle Strut
005939-00	US	690	TRW Fastening Systems	09/122,211	7/24/1998	6,176,660	1/23/2001	Releasable Fastener with Lateral Stabilizing Brace Members and Latch Legs Carrying Fastener Insertion Guide
005952-00	US	273	Transportation Electronics Division	09/249,836	2/12/1999	6,199,902	3/13/2001	Apparatus and Method for Discerning at Least One Characteristic via Absorption of an Energy Signal
005953-00	US	273	Transportation Electronics Division	09/551,801	4/18/2000	6,507,016	1/14/2003	Apparatus and Method for Sensing a Vehicle Rollover Condition
005954-00	US	462	Safety Systems/Mesa	09/097,727	6/16/1998	6,244,622	6/12/2001	Initiator for Air Bag Inflator
005955-00	US	462	Safety Systems/Mesa	09/067,287	4/27/1998	6,295,935	10/2/2001	Initiator for Air Bag Inflator
005957-00	US	462	Safety Systems/Mesa	09/052,847	3/31/1998	6,089,601	7/18/2000	Vehicle Occupant Protection Apparatus
005959-00	US	462	Safety Systems/Mesa	09/426,611	10/26/1999	6,136,112	10/24/2000	Smokeless Gas Generating Composition for an Inflatable Vehicle Occupant Protection Device
005959-01	DE	462	Safety Systems/Mesa	10050730.1	10/13/2000			Smokeless Gas Generating Composition for an Inflatable Vehicle Occupant Protection Device

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005962-00	US	462	Safety Systems/Mesa	09/086,809	5/29/1998	6,068,293	5/30/2000	Vehicle Occupant Protection Apparatus
005963-00	US	273	Transportation Electronics Division	09/132,132	8/10/1998	6,130,622	10/10/2000	System and Method for Remote Convenience Function Control Having a Rekey Security Feature
005964-00	US	273	Transportation Electronics Division	09/073,520	5/6/1998	6,025,786	2/15/2000	Transmitter for Remote Convenience System Having Coiled, Extendable Antenna
005965-00	US	273	Transportation Electronics Division	09/132,542	8/11/1998	6,084,314	7/4/2000	Integrated Occupant Protection System
005965-01	GB	273	Transportation Electronics Division	9915729.9	7/5/1999	2,340,454	2/7/2001	Integrated Occupant Protection System
005965-02	DE	273	Transportation Electronics Division	19937679.4	8/10/1999			Integrated Occupant Protection System
005967-00	US	462	Safety Systems/Mesa	09/179,019	10/26/1998	6,305,286	10/23/2001	An Igniter with an Ultraviolet Cured Ignition Droplet and Method of Making Same
005967-01	DE	462	Safety Systems/Mesa	19950854.2	10/21/1999			An Igniter with an Ultraviolet Cured Ignition Droplet and Method of Making Same
005973-00	US	462	Safety Systems/Mesa	09/204,005	12/1/1998	6,196,584	3/6/2001	Initiator for Air Bag Inflator
005973-01	DE	462	Safety Systems/Mesa	19954875.7	11/15/1999			Initiator for Air Bag Inflator
005981-00	US	462	Safety Systems/Mesa	09/136,532	8/19/1998	5,968,376	10/19/1999	Method of Inspecting Welds Upon Assembling an Inflator
005982-00	US	462	Safety Systems/Mesa	09/374,384	8/13/1999	6,230,624	5/15/2001	An Igniter Having a Hot Melt Ignition Droplet
005982-01	DE	462	Safety Systems/Mesa	10039447.7	8/11/2000			An Igniter Having a Hot Melt Ignition Droplet
005994-01	DE	462	Safety Systems/Mesa	19933922.8	7/19/1999			Inflator Structure Containing Ignitable Gas Generating Material
006001-00	US	273	Transportation Electronics Division	09/131,490	8/10/1998	6,113,139	9/5/2000	Apparatus for Sensing a Forward Position of a Vehicle Seat
006002-00	US	462	Safety Systems/Mesa	09/119,694	7/21/1998	6,296,724	10/2/2001	A Gas Generating Composition for an Inflatable Vehicle Occupant Protection Device
006002-01	DE	462	Safety Systems/Mesa	19932950.8	7/14/1999			A Gas Generating Composition for an Inflatable Vehicle Occupant Protection Device
006014-00	US	462	Safety Systems/Mesa	09/092,718	6/5/1998	6,231,702	5/15/2001	Cool Burning Ammonium Nitrate Based Gas Generating Composition
006014-01	DE	462	Safety Systems/Mesa	19925442.7	6/2/1999			Cool Burning Ammonium Nitrate Based Gas Generating Composition
006015-00	US	126	Commercial Steering Division	09/275,715	3/24/1999	6,279,951	8/28/2001	Steering Column
006032-00	US	273	Transportation Electronics Division	09/243,598	2/3/1999	6,188,314	2/13/2001	An Energy Distribution and Communication System and Method Utilizing a Communication Message Frame for a Multi-Device Vehicle Occupant Protection System
006033-00	US	273	Transportation Electronics Division	09/132,632	8/11/1998	6,124,784	9/26/2000	Occupant Protection and Signal Apparatus and Method

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006043-00	US	145	S & S Sterling Hts.	09/045,555	3/20/1998	6,046,560	4/4/2000	Electric Assist Steering System Having An Improved Motor Current Controller With Gain Scheduler
006043-01	JP	145	S & S Sterling Hts.	7588799	3/19/1999	3,312,879	5/31/2002	An Electric Assist Steering System Having An Improved Motor Current Controller With Gain Scheduler
006043-02	EP	145	S & S Sterling Hts.	99105005.5	3/19/1999			An Electric Assist Steering System Having An Improved Motor Current Controller With Gain Scheduler
006043-07	BR	145	S & S Sterling Hts.	P19901166-2	3/19/1999			An Electric Assist Steering System Having An Improved Motor Current Controller With Gain Scheduler
006044-00	US	145	S & S Sterling Hts.	09/044,979	3/20/1998	6,107,767	8/22/2000	An Electric Assist Steering System Having An Improved Motor Current Controller With Notch Filter
006044-01	JP	145	S & S Sterling Hts.	7599799	3/19/1999			An Electric Assist Steering System Having An Improved Motor Current Controller With Notch Filter
006044-02	EP	145	S & S Sterling Hts.	99105003.0	3/19/1999			An Electric Assist Steering System Having An Improved Motor Current Controller With Notch Filter
006044-07	BR	145	S & S Sterling Hts.	P19901165-4	3/19/1999			An Electric Assist Steering System Having An Improved Motor Current Controller With Notch Filter
006062-00	US	462	Safety Systems/Mesa	09/093,896	6/9/1998	6,095,550	8/1/2000	Vehicle Occupant Restraint Apparatus
006062-01	DE	462	Safety Systems/Mesa	19925441.9	6/2/1999			Vehicle Occupant Restraint Apparatus
006064-00	US	462	Safety Systems/Mesa	09/211,033	12/14/1998	6,213,512	4/10/2001	Seat Belt Tightening Apparatus
006064-01	DE	462	Safety Systems/Mesa	19954878.1	11/15/1999			Seat Belt Tightening Apparatus
006080-00	US	462	Safety Systems/Mesa	09/250,851	2/17/1999	6,231,701	5/15/2001	Vehicle Occupant Device and Solid Solution Gas Generating Composition Therefor
006080-01	DE	462	Safety Systems/Mesa	10004821.8	2/4/2000			Vehicle Occupant Device and Solid Solution Gas Generating Composition Therefor
006081-00	US	462	Safety Systems/Mesa	09/150,185	9/10/1998	6,142,516	11/7/2000	Air Bag Inflator Assembly
006087-00	US	462	Safety Systems/Mesa	09/373,875	8/12/1999	6,213,548	4/10/2001	Head Restraint Apparatus
006103-00	US	273	Transportation Electronics Division	09/139,891	8/25/1998	6,133,648	10/17/2000	Apparatus for Selectively Enabling or Disabling an Actuatable Occupant Protection Device
006112-00	US	273	Transportation Electronics Division	09/468,807	12/21/1999	6,341,252	1/22/2002	Method and Apparatus for Controlling an Actuatable Occupant Protection Device
006113-00	US	145	S & S Sterling Hts.	09/149,871	9/8/1998	6,119,550	9/19/2000	Linkage Component
006114-00	US	106	Linkage & Suspension-Canada	09/089,193	6/2/1998	5,997,208	12/7/1999	Adjustment for a Ball Joint Assembly
006117-00	US	462	Safety Systems/Mesa	09/327,584	6/8/1999	6,164,695	12/26/2000	Inflator
006120-00	US	462	Safety Systems/Mesa	09/106,431	6/29/1998	6,099,027	8/8/2000	Decorative Emblem for Air Bag Module Cover

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006120-01	DE	462	Safety Systems/Mesa	19929762.2	6/28/1999				Decorative Emblem for Air Bag Module Cover
006126-00	US	462	Safety Systems/Mesa	09/178,805	10/26/1998	6,322,100	11/27/2001		Deployment Structure for an Inflatable Vehicle Occupant Protection Device
006128-00	US	462	Safety Systems/Mesa	09/589,341	6/7/2000	6,412,811	7/2/2002		Cold Gas Inflator For Roll Over Curtain Protection
006128-01	DE	462	Safety Systems/Mesa	20010176.5	6/7/2000				Cold Gas Inflator For Roll Over Curtain Protection
006128-02	DE	462	Safety Systems/Mesa	10038676.8	8/8/2000				Cold Gas Inflator For Roll Over Curtain Protection
006128-04	JP	462	Safety Systems/Mesa	2000-173888	6/9/2001				Cold Gas Inflator For Roll Over Curtain Protection
006136-00	US	464	TRW Steering Wheel Systems	09/206,060	12/4/1998	5,975,561	11/2/1999		Steering Shaft Attachment
006136-01	DE	464	TRW Steering Wheel Systems	19954877.3	11/15/1999				Steering Shaft Attachment
006148-00	US	145	S & S Sterling Hts.	09/206,047	12/4/1998	6,164,407	12/26/2000		Electric Power Steering Apparatus
006148-01	JP	145	S & S Sterling Hts.	343014/99	12/2/1999	3,232,072	9/14/2001		Electric Power Steering Apparatus
006148-02	EP	145	S & S Sterling Hts.	99123937.7	12/3/1999				Electric Power Steering Apparatus
006148-03	BR	145	S & S Sterling Hts.	P19908999-8	12/6/1999				Electric Power Steering Apparatus
006158-00	US	126	Commercial Steering Division	09/148,678	9/4/1998	6,200,225	3/13/2001		Variable Length Shaft Assembly Having A Bearing System
006159-00	US	126	Commercial Steering Division	09/094,798	6/15/1998	6,019,026	2/1/2000		Self-Centering Motor
006159-02	EP	126	Commercial Steering Division	99930260.7	6/15/1999				Self-Centering Motor
006159-03	BR	126	Commercial Steering Division	P19911238-8	6/15/1999				Self-Centering Motor
006196-00	US	145	S & S Sterling Hts.	09/099,711	6/19/1998	6,176,342	1/23/2001		Vehicle Steering Apparatus
006196-01	JP	145	S & S Sterling Hts.	15385299	6/1/1999	3,182,406	4/20/2001		Vehicle Steering Apparatus
006196-02	DE	145	S & S Sterling Hts.	19926342.6	6/9/1999				Vehicle Steering Apparatus
006239-00	US	126	Commercial Steering Division	08/163,515	9/30/1998	5,957,027	9/28/1999		Detent Mechanism for a Hydraulic Power Steering Gear
006244-01	DE	273	Transportation Electronics Division	19959128.8	12/8/1999				Capacitive Weight Sensor
006244-02	US	273	Transportation Electronics Division	09/608,727	6/30/2000	6,218,632	4/17/2001		Capacitive Weight Sensor

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006258-00	US	435	VSSI-Airbags	09/132,317	8/1/1998	6,155,599	12/5/2000	Retaining Ring With Gas Diffuser
006266-00	US	462	Safety Systems/Mesa	09/361,058	7/26/1999	6,238,500	5/29/2001	Smokeless Gas Generating Material
006275-00	US	145	S & S Sterling Hts.	09/264,596	3/8/1999	6,338,016	1/8/2002	Method and Apparatus for Detecting a Motor Stall Condition in an Electric Assist Steering System
006275-01	JP	145	S & S Sterling Hts.	2000-45668	2/23/2000	3,256,211	11/30/2001	Method and Apparatus for Detecting a Motor Stall Condition in an Electric Assist Steering System
006275-02	BR	145	S & S Sterling Hts.	0000153.8	1/24/2000			Method and Apparatus for Detecting a Motor Stall Condition in an Electric Assist Steering System
006275-03	EP	145	S & S Sterling Hts.	00104935.2	3/8/2000			Method and Apparatus for Detecting a Motor Stall Condition in an Electric Assist Steering System
006276-00	US	106	Linkage & Suspension-Canada	09/151,838	9/11/1998	6,250,840	6/26/2001	Tie Rod End
006279-00	US	690	TRW Fastening Systems	09/243,038	2/2/1999	6,296,796	10/2/2001	Method and Apparatus for Molding a Two-material Part Using a Rotatable Mold Insert Member
006280-00	US	462	Safety Systems/Mesa	09/287,001	4/6/1999	6,167,808	1/2/2001	Initiator for Air Bag Inflator
006280-01	DE	462	Safety Systems/Mesa	10012428.3	3/15/2000			Initiator for Air Bag Inflator
006282-00	US	273	Transportation Electronics Division	09/209,095	12/10/1998	6,084,317	7/4/2000	Keyless Access Control System with Wireless, Induction-Powered Keypad Module and Methods
006285-00	US	273	Transportation Electronics Division	09/176,186	10/21/1998	6,040,542	3/2/2000	Flexible Switch Apparatus and Method for Making Same
006287-00	US	462	Safety Systems/Mesa	09/203,113	12/1/1998	6,139,054	10/3/2000	Reduced Smoke Gas Generant with Improved Temperature Stability
006287-01	DE	462	Safety Systems/Mesa	19954876.5	11/15/1999			Reduced Smoke Gas Generant with Improved Temperature Stability
006288-00	US	462	Safety Systems/Mesa	09/918,112	7/30/2001			Catalytic Filter for an Inflator
006297-00	US	462	Safety Systems/Mesa	09/488,118	1/20/2000	6,485,588	11/26/2002	Auto Ignition Material Additive
006308-00	US	462	Safety Systems/Mesa	09/273,555	3/24/1999	6,272,992	8/14/2001	Power Spot Ignition Droplet
006308-01	DE	462	Safety Systems/Mesa	10009685.9	2/2/2000			Power Spot Ignition Droplet
006308-02	FR	462	Safety Systems/Mesa	0002455	2/28/2000			Power Spot Ignition Droplet
006311-00	US	462	Safety Systems/Mesa	09/343,574	6/30/1999	6,213,800	4/10/2001	Shorting Clip for Airbag Inflator
006314-00	US	462	Safety Systems/Mesa	09/179,806	10/27/1998	6,168,202	1/9/2001	Pyrotechnic Initiator with Petal Retainer Structure
006315-00	US	273	Transportation Electronics Division	09/413,402	10/6/1999	6,291,908	9/18/2001	Micro-Miniature Switch Apparatus

006316-00	US	462	Safety Systems/Mesa	09/359,519	8/6/1999	5,149,746	11/21/2000	Ammonium Nitrate Gas Generating Composition
006317-00	US	462	Safety Systems/Mesa	09/292,628	4/15/1999			Reduced Smoke Gas Generant with Improved Temperature Stability
006317-01	DE	462	Safety Systems/Mesa	10017772.7	4/10/2000			Reduced Smoke Gas Generant with Improved Temperature Stability
006337-00	US	462	Safety Systems/Mesa	09/416,605	10/12/1999	6,302,432	10/16/2001	Deflection Tab Baseplate
006337-01	DE	462	Safety Systems/Mesa	10050043.9	10/10/2000			Deflection Tab Baseplate
006345-00	US	145	S & S Sterling Hts.	09/197,863	11/23/1998	6,135,471	10/24/2000	Suspension System
006346-00	US	126	Commercial Steering Division	09/189,302	11/10/1998	6,079,289	6/27/2000	Detent Mechanism for a Hydraulic Power Steering Gear
006347-00	US	126	Commercial Steering Division	09/176,184	10/21/1998	6,076,418	6/20/2000	Lash Adjustment Mechanism
006351-00	US	462	Safety Systems/Mesa	09/259,362	2/26/1999	6,227,562	5/8/2001	Stored Gas Inflator Assembly
006351-01	DE	462	Safety Systems/Mesa	10002083.6	1/19/2000			Stored Gas Inflator Assembly
006352-00	US	462	Safety Systems/Mesa	09/405,957	9/27/1999	6,227,597	5/8/2001	Vehicle Seat with Limited Rearward Movement
006377-00	US	462	Safety Systems/Mesa	09/469,415	12/22/1999	6,431,595	8/13/2002	Dual Gas Head Bag Inflator Design
006377-01	DE	462	Safety Systems/Mesa	10064191.1	12/22/2000			Dual Gas Head Bag Inflator Design
006377-02	JP	462	Safety Systems/Mesa	2000-388081	12/21/2000			Dual Gas Head Bag Inflator Design
006388-00	US	126	Commercial Steering Division	09/187,594	11/6/1998	6,173,728	1/16/2001	Switching Valve for a Hydraulic Power Steering System
006388-01	EP	126	Commercial Steering Division	99122249.8	11/8/1999			Switching Valve for a Hydraulic Power Steering System
006397-01	DE	435	VSSI-Airbags	10046886.1	9/21/2000			Inflatable Floor Mat for a Vehicle
006400-01	DE	462	Safety Systems/Mesa	10040822.2	8/21/2000			Dual Chamber Inflator for Side Curtains
006402-00	US	462	Safety Systems/Mesa	09/498,177	2/4/2000	6,213,505	4/10/2001	Apparatus for Protecting Lower Extremities of a Vehicle Occupant
006402-01	DE	462	Safety Systems/Mesa	10104796.7	2/2/2001			Apparatus for Protecting Lower Extremities of a Vehicle Occupant
006408-00	US	462	Safety Systems/Mesa	09/374,872	8/16/1999	6,217,059	4/17/2001	Apparatus for Helping to Protect a Vehicle Occupant's Legs
006408-01	DE	462	Safety Systems/Mesa	10039661.5	8/14/2000			Lower Leg/Foot Cushioning System

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006410-00	US	462	Safety Systems/Mesa	09/522,933	3/10/2000	6,142,564	1/17/2000	Rearward Moving Seat With Breakaway Latch
006417-00	US	145	S & S Sterling Hts.	09/399,267	9/17/1999	6,198,194	3/6/2001	Segmented Rotor for an Electric Machine
006417-01	JP	145	S & S Sterling Hts.	2000-276871	9/12/2000			Segmented Rotor for an Electric Machine
006417-02	EP	145	S & S Sterling Hts.	00119491.9	9/18/2000			Segmented Rotor for an Electric Machine
006417-03	BR	145	S & S Sterling Hts.	P10004217-0	9/15/2000			Segmented Rotor for an Electric Machine
006438-00	US	273	Transportation Electronics Division	09/197,909	11/23/1998	6,094,402	7/25/2000	Ultrasonic Transducer
006439-00	US	273	Transportation Electronics Division	09/235,873	1/22/1999	6,113,262	9/5/2000	Apparatus for Testing Electrical Components
006460-00	US	462	Safety Systems/Mesa	09/498,176	2/4/2000	6,302,481	10/16/2001	Thrust and Rock Vehicle Seat
006479-00	US	464	TRW Steering Wheel Systems	09/436,965	11/9/1999	6,199,448	3/13/2001	Steering Shaft Attachment with Tapered Pin and Fastener
006479-01	DE	464	TRW Steering Wheel Systems	10054602.1	11/3/2000			Steering Shaft Attachment with Tapered Pin and Fastener
006483-00	US	126	Commercial Steering Division	09/211,513	12/14/1998	6,098,742	8/8/2000	Steering Apparatus
006483-01	MX	126	Commercial Steering Division	9911609	12/13/1999			Steering Apparatus
006483-02	EP	126	Commercial Steering Division	99124045.8	12/9/1999			Steering Apparatus
006483-03	BR	126	Commercial Steering Division	P19906184-3	12/14/1999			Steering Apparatus
006484-00	US	145	S & S Sterling Hts.	09/286,953	4/8/1999	6,173,961	1/16/2001	Seal Assembly
006484-01	JP	145	S & S Sterling Hts.	2000-104876	4/6/2000			Seal Assembly
006484-02	EP	145	S & S Sterling Hts.	00107502.7	4/6/2000			Seal Assembly
006485-00	US	145	S & S Sterling Hts.	09/197,895	11/23/1998	6,042,294	3/28/2000	Ball Joint Having Rotational and Axial Movement
006485-01	GB	145	S & S Sterling Hts.	9824627.4	10/18/1999			Ball Joint Having Rotational and Axial Movement
006485-02	JP	145	S & S Sterling Hts.	32918799	11/29/1999	3,312,892	5/31/2002	Ball Joint Having Rotational and Axial Movement
006485-03	CA	145	S & S Sterling Hts.	2,290,202	11/22/1999			Ball Joint Having Rotational and Axial Movement
006495-00	US	273	Transportation Electronics Division	09/321,383	5/27/1999	6,091,038	7/18/2000	Electrical Switch with Sliding Terminal Contacts

006503-01	FR	273	Transportation Electronics Division	0103107	3/7/2001				Apparatus and Method for Message Notification
006503-02	DE	273	Transportation Electronics Division	10110688.2	3/6/2001				Apparatus and Method for Message Notification
006505-00	US	273	Transportation Electronics Division	09/305,426	5/5/1999	6,449,472	9/10/2002		System and Method for Remote Convenience Function Control With At-Vehicle and Remote Assistance-Summoning Functions
006507-00	US	273	Transportation Electronics Division	09/316,853	5/21/1999	6,246,808	6/12/2001		Optical Switch Apparatus
006508-00	US	273	Transportation Electronics Division	09/339,495	6/24/1999	6,163,634	12/19/2000		Optical Switch
006509-00	US	273	Transportation Electronics Division	09/460,061	12/14/1999				Communication System Having a Transmitter and a Receiver that engage in Reduced Size Encrypted Data Communication
006512-00	US	273	Transportation Electronics Division	09/334,373	6/15/1999	6,273,327	8/14/2001		Apparatus and Method for Depositing Solder Material onto a Circuit Board
006513-00	US	273	Transportation Electronics Division	09/235,573	1/22/1999	6,198,055	3/6/2001		Manually Movable Switch Selector Including Both a Rotary Knob and a Thumb Wheel
006514-00	US	273	Transportation Electronics Division	09/256,498	2/23/1999				System and Method for Remote Convenience Function Control Utilizing Near Isotropic Receiving Antenna System
006521-00	US	273	Transportation Electronics Division	09/255,321	2/23/1999	6,466,137	10/15/2002		Apparatus and Method for Remote Convenience Message Reception with Adjustable Pulse Detection Receiver Portion
006522-00	US	273	Transportation Electronics Division	09/264,555	3/8/1999	6,472,999	10/29/2002		Apparatus and Method for Remote Convenience Message Reception with Signal Strength Determination
006524-00	US	273	Transportation Electronics Division	09/467,400	12/20/1999				Apparatus and Method for Sensing a Condition of a Vehicle Tire
006524-01	EP	273	Transportation Electronics Division	00122283.5	10/19/2000				Apparatus and Method for Sensing a Condition of a Vehicle Tire
006524-02	US	273	Transportation Electronics Division	09/885,564	6/19/2001				Apparatus and Method for Sensing a Condition of a Vehicle Tire
006531-00	US	462	Safety Systems/Mesa	09/526,393	3/16/2000	6,425,602	7/30/2002		Vehicle Safety Seat with Fluid Manifold
006537-00	US	145	S & S Sterling Hts.	09/196,021	11/19/1998	6,010,272	1/4/2000		Ball Joint with Two-Piece Bearing and Spring
006537-01	GB	145	S & S Sterling Hts.	9924629.0	10/18/1999	2,343,917	10/3/2001		Ball Joint with Two-Piece Bearing and Spring
006537-02	JP	145	S & S Sterling Hts.	326602/99	11/17/1999	3,312,891	5/31/2002		Ball Joint with Two-Piece Bearing and Spring
006537-03	CA	145	S & S Sterling Hts.	2,290,024	11/18/1999				Ball Joint With Two Piece Bearing And Spring
006539-00	US	273	Transportation Electronics Division	09/160,999	9/25/1998	6,095,554	8/1/2000		Method and Apparatus for Sensing Side Impact Crash Conditions with an Enhanced Safing Function
006539-01	DE	273	Transportation Electronics Division	19945923.1	9/24/1999				Method and Apparatus for Sensing Side Impact Crash Conditions with an Enhanced Safing Function
006542-00	US	273	Transportation Electronics Division	09/615,079	7/12/2000	6,459,366	10/1/2002		System and Method for Controlling an Actuable Occupant Protection Device

006542-01	JP	273	Transportation Electronics Division	2001-184532	6/19/2001				System and Method for Controlling an Actuable Occupant Protection Device
006542-02	DE	273	Transportation Electronics Division	10130962.7	6/27/2001				System and Method for Controlling an Actuable Occupant Protection Device
006543-00	US	273	Transportation Electronics Division	09/300,415	4/27/1999				System and Method for Automatic Vehicle Unlock Initiated via Beam Interruption
006543-01	EP	273	Transportation Electronics Division	00108991.1	4/27/2000				System and Method for Automatic Vehicle Unlock Initiated via Beam Interruption
006544-00	US	273	Transportation Electronics Division	09/240,459	1/29/1999	6,140,622	10/31/2000		System for Detecting the State of a Switch Device
006544-01	US	273	Transportation Electronics Division	09/606,614	6/29/2000	6,369,468	4/9/2002		System for Detecting the State of a Switch Device
006546-00	US	273	Transportation Electronics Division	09/452,628	12/11/1999	6,304,804	10/16/2001		System and Method for Vehicle Direction Signaling Using an Accelerometer for Cancellation Control
006550-00	US	273	Transportation Electronics Division	09/476,532	1/3/2000	6,180,905	1/30/2001		Two Position Pushbutton Switch With Illuminated Button
006551-00	US	690	TRW Fastening Systems	09/105,164	6/26/1998	6,031,226	2/29/2000		Integrated Ventilation Mode and Temperature Control System for Vehicles (Jointly owned with Ford)
006552-00	US	273	Transportation Electronics Division	09/494,954	2/1/2000				Method and Apparatus for Controlling an Actuable Occupant Protection Device Using an Ultrasonic Sensor
006554-00	US	462	Safety Systems/Mesa	09/359,005	7/22/1999	6,113,713	9/5/2000		Reduced Smoke Gas Generant with Improved Mechanical Stability
006554-01	DE	462	Safety Systems/Mesa	100353762	7/20/2000				Reduced Smoke Gas Generant with Improved Mechanical Stability
006563-00	US	273	Transportation Electronics Division	09/470,714	12/22/1999				Continuously monitored in-line thermal-shock parametric testing for high volume electronics manufacturing
006563-01	MX	273	Transportation Electronics Division	011535	11/23/2000				Continuously monitored in-line thermal-shock parametric testing for high volume electronics manufacturing
006563-02	EP	273	Transportation Electronics Division	00125233.7	11/22/2000				Apparatus and Method for Inline Testing of Electrical Components
006563-03	JP	273	Transportation Electronics Division	2000-38823	12/21/2000				Apparatus and Method for Inline Testing of Electrical Components
006563-04	CA	273	Transportation Electronics Division	2,326,061	11/15/2000				Continuously monitored in-line thermal-shock parametric testing for high volume electronics manufacturing
006565-00	US	462	Safety Systems/Mesa	09/368,712	8/5/1999	6,168,194	1/2/2001		Inflatable Curtain with Tensioning Device
006578-00	US	462	Safety Systems/Mesa	09/376,738	8/16/1999	6,361,630	3/26/2002		Cool Burning Gas Generating Composition
006593-00	US	462	Safety Systems/Mesa	09/368,652	8/5/1999	6,168,193	1/2/2001		Inflatable Curtain with Tensioning Device
006597-00	US	462	Safety Systems/Mesa	09/306,117	5/6/1999	6,224,088	5/1/2001		Inflatable Occupant Protection Device Extending Adjacent a Windshield
006597-01	DE	462	Safety Systems/Mesa	10021325.1	5/2/2000				An Inflatable Occupant Protection Device

006603-00	US	273	Transportation Electronics Division	09/611,715	6/6/2000				Apparatus and Method for Tracking an Abnormal Tire Condition
006603-01	FR	273	Transportation Electronics Division	0108818	7/3/2001				Apparatus and Method for Tracking an Abnormal Tire Condition
006603-02	DE	273	Transportation Electronics Division	10130035.2	6/21/2001				Apparatus and Method for Tracking an Abnormal Tire Condition
006604-00	US	273	Transportation Electronics Division	09/742,566	12/20/2000				System and Method for Sensing Vehicle Rollover
006605-00	US	273	Transportation Electronics Division	09/320,314	5/26/1999	6,055,855	5/2/2000		Tire Pressure Sensor Wheel Attachment Apparatus
006606-00	US	273	Transportation Electronics Division	09/464,208	12/15/1999	6,292,096	9/18/2001		Apparatus and Method for Transmitting Data in a Tire Condition Sensing System
006606-01	EP	273	Transportation Electronics Division	00122282.7	10/19/2000				Apparatus and Method for Transmitting Data in a Tire Condition Sensing System
006607-00	US	273	Transportation Electronics Division	09/369,109	8/5/1999	6,212,457	4/3/2001		Mixed Parallel and Daisy Chain Bus Architecture in a Vehicle Safety System
006607-01	EP	273	Transportation Electronics Division	00116876.4	8/4/2000				Mixed Parallel and Daisy Chain Bus Architecture in a Vehicle Safety System
006608-00	US	273	Transportation Electronics Division	09/333,854	6/15/1999	6,236,920	5/22/2001		Distributed Vehicle Safety System with Bus Connection Components Having a Remotely-Located Initiation Electronics Arrangement and a Bus Tap Arrangement
006610-00	US	273	Transportation Electronics Division	09/369,138	8/5/1999	6,448,671	9/10/2002		Distributed Vehicle Safety System Having Fault Protection
006611-00	US	273	Transportation Electronics Division	09/435,600	11/5/1999				Vehicle Rear Seat Monitoring System
006611-01	EP	273	Transportation Electronics Division	00122726.3	10/18/2000				Vehicle Rear Seat Monitoring System
006615-00	US	145	S & S Sterling Hts.	09/516,557	2/29/2000				Torque Sensor for a Power Assist Steering System
006615-01	EP	145	S & S Sterling Hts.	01102154.0	2/1/2001				Torque Sensor for a Power Assist Steering System
006615-02	JP	145	S & S Sterling Hts.	2001-50189	2/26/2001				Torque Sensor for a Power Assist Steering System
006615-03	BR	145	S & S Sterling Hts.	PI0100798-0	2/23/2001				Torque Sensor for a Power Assist Steering System
006622-00	US	126	Commercial Steering Division	09/368,841	8/5/1999	6,397,970	6/4/2002		Steering System
006633-00	US	145	S & S Sterling Hts.	09/343,856	6/30/1999	6,293,164	9/25/2001		Rack and Pinion Steering Apparatus and Method for Manufacturing a Helical Pinion
006633-01	EP	145	S & S Sterling Hts.	00113943.5	6/30/2000				Rack and Pinion Steering Apparatus and Method for Manufacturing a Helical Pinion
006633-02	JP	145	S & S Sterling Hts.	2000-197505	6/30/2000				Rack and Pinion Steering Apparatus and Method for Manufacturing a Helical Pinion
006633-03	US	145	S & S Sterling Hts.	09/952,802	9/14/2001				Rack and Pinion Steering Apparatus and Method for Manufacturing a Helical Pinion

006634-00	US	126	Commercial Steering Division	09/470,883	12/22/1999	6,279,953	8/28/2001	Flexible Mount for an Intermediate Steering Column
006645-00	US	145	S & S Sterling Hts.	09/271,960	3/18/1999	6,155,375	12/5/2000	Bushing Assembly for a Rack and Pinion Steering Gear
006647-00	US	462	Safety Systems/Mesa	09/410,601	10/1/1999	6,206,416	3/27/2001	Vehicle Safety System
006647-01	DE	462	Safety Systems/Mesa	10048415.8	9/29/2000			Wireless Restraint System
006648-00	US	462	Safety Systems/Mesa	09/469,055	12/21/1999	6,195,996	3/6/2001	Body of Gas Generating Material for a Vehicle Occupant Restraint
006658-00	US	273	Transportation Electronics Division	09/897,377	7/2/2001			Vehicle Occupant Sensor Apparatus and Method Including Scanned, Phased Beam Transmission for Occupant Characteristic Determination
006661-00	US	273	Transportation Electronics Division	09/520,353	3/7/2000			System and Method for Answering Telephone Calls In a Vehicle Communications System
006663-00	US	273	Transportation Electronics Division	09/177,938	10/23/1998	5,990,427	11/23/1999	Movable Acceleration Switch Responsive To Acceleration Parallel to Plane of Substrate Upon Which the Switch is Fabricated and Methods
006663-01	DE	273	Transportation Electronics Division	19950560.8	10/20/1999			Movable Acceleration Switch Responsive To Acceleration Parallel to Plane of Substrate Upon Which the Switch is Fabricated and Methods
006665-00	US	462	Safety Systems/Mesa	09/347,505	7/2/1999	6,257,910	7/10/2001	Shorting Clip for Air Bag Inflator
006667-00	US	462	Safety Systems/Mesa	09/501,946	2/10/2000	6,357,355	3/19/2002	Pyrotechnic Igniter with Radio Frequency Filter
006668-00	US	462	Safety Systems/Mesa	09/800,564	3/7/2001	6,505,853	1/14/2003	Inflatable Curtain With Positioning Device
006695-00	US	126	Commercial Steering Division	09/414,265	10/7/1999	6,182,363	2/6/2001	Method of Making a Poppet Valve
006696-00	US	462	Safety Systems/Mesa	09/371,643	8/10/1999	6,217,065	4/17/2001	Inflator
006696-01	DE	462	Safety Systems/Mesa	10038673.3	8/8/2000			Roll Over Protection CGI
006697-00	US	462	Safety Systems/Mesa	09/371,776	8/10/1999			Inflator
006697-02	EP	462	Safety Systems/Mesa	00112245.6	7/28/2000			Inflator with rupturable closure member
006697-03	JP	462	Safety Systems/Mesa	2000-173388	6/8/2000			Inflator
006697-04	US	462	Safety Systems/Mesa	10/273,971	10/18/2002			Inflator
006699-00	US	145	S & S Sterling Hts.	09/286,810	4/6/1999	6,281,607	8/28/2001	Electric Motor with Vibration Attenuation
006699-01	BR	145	S & S Sterling Hts.	P10001891-00	5/3/2000			Electric Motor with Vibration Attenuation
006699-02	JP	145	S & S Sterling Hts.	2000-104269	4/6/2000			Electric Motor with Vibration Attenuation

006693-03	DE	145	S & S Sterling Hts.	10012429.1	3/15/2000			Electric Motor with Vibration Attenuation
006696-00	US	126	Commercial Steering Division	09/275,716	3/24/1999	6,202,694	3/20/2001	Detent Mechanism For A Hydraulic Power Steering Gear
006696-01	BR	126	Commercial Steering Division	P10002404-0	5/8/2000			Detent Mechanism For A Hydraulic Power Steering Gear
006699-00	US	435	VSSI-Airbags	09/414,257	10/7/1999	6,176,515	1/23/2001	Inflatable Rollover Curtain with Passive Tensioning
006699-01	DE	435	VSSI-Airbags	10049389.0	10/5/2000			Inflatable Rollover Curtain with Passive Tensioning
006704-00	US	145	S & S Sterling Hts.	09/221,046	12/28/1998	6,155,376	12/5/2000	Electric Power Steering Assembly
006704-01	JP	145	S & S Sterling Hts.	296128/99	10/19/1999	3,245,582	10/26/2001	Electric Power Steering Assembly
006704-02	BR	145	S & S Sterling Hts.	P19904353.0	9/23/1999			Electric Power Steering Assembly
006704-03	EP	145	S & S Sterling Hts.	99124046.6	12/9/1999			Electric Power Steering Assembly
006706-00	US	273	Transportation Electronics Division	09/310,559	5/12/1999	6,175,304	1/16/2001	Latch Sensing Seatbelt Buckle
006708-00	US	273	Transportation Electronics Division	09/310,809	5/12/1999	6,095,555	8/1/2000	Apparatus for Sensing a Forward Position of a Vehicle Seat
006715-00	US	462	Safety Systems/Mesa	09/366,094	8/2/1999	6,095,551	8/1/2000	Side Impact Rollover Protection With Simula-ASD ITS
006723-00	US	462	Safety Systems/Mesa	09/262,692	3/4/1999	6,227,565	5/8/2001	Air Bag Inflator with Pressure Regulation
006723-01	DE	462	Safety Systems/Mesa	1002799.7	1/24/2000			Air Bag Inflator with Pressure Regulation
006723-02	JP	462	Safety Systems/Mesa	2000-38947	2/17/2000	3,285,336	3/8/2002	Air Bag Inflator with Pressure Regulation
006724-00	US	462	Safety Systems/Mesa	09/263,434	3/4/1999	6,257,617	7/10/2001	Air Bag Inflator with Pressure Regulation
006725-00	US	462	Safety Systems/Mesa	09/263,435	3/4/1999	6,290,256	9/18/2001	Air Bag Inflator with Pressure Regulation
006726-01	DE	462	Safety Systems/Mesa	10006522.8	2/15/2000			Dual Stage Air Bag Inflator
006726-02	US	462	Safety Systems/Mesa	09/698,618	7/3/2001			Dual Stage Air Bag Inflator
006727-00	US	462	Safety Systems/Mesa	09/263,297	3/5/1999	6,315,322	11/13/2001	Air Bag Inflator
006728-00	US	462	Safety Systems/Mesa	09/263,912	3/5/1999	6,142,515	11/7/2000	Air Bag Inflator with Heat Sink and Retainer
006729-01	US	462	Safety Systems/Mesa	09/629,696	4/10/2001			Dual Stage Air Bag Inflator with Secondary Propellant Cap

006730-00	US	462	Safety Systems/Mesa	09/299,342	4/26/1999	5,984,352	11/16/1999	Air Bag Inflator with Pressure Regulation
006731-00	US	462	Safety Systems/Mesa	09/327,770	6/7/1999	6,364,353	4/2/2002	Dual Stage Air Bag Inflator
006735-00	US	462	Safety Systems/Mesa	09/371,777	8/10/1999	6,176,249	1/23/2001	Inflator
006736-00	US	462	Safety Systems/Mesa	09/553,137	4/19/2000			Gas Generating Material For Vehicle Occupant Protection Device
006744-00	US	273	Transportation Electronics Division	09/777,039	2/5/2001			Method and Apparatus for Controlling Vehicle Power Windows
006745-00	US	273	Transportation Electronics Division	09/679,327	10/4/2000	6,416,080	7/9/2002	Apparatus and Method for Protecting a Vehicle Occupant Utilizing a Correlation Between an Occupant-Associated Center and a Distance to an Occupant-Associated Surface
006747-00	US	273	Transportation Electronics Division	09/604,554	6/27/2000	6,232,875	5/15/2001	Apparatus and Method for Controlling a Tire Condition Module of a Vehicle Tire
006747-01	FR	273	Transportation Electronics Division	0108271	6/22/2001			Apparatus and Method for Controlling a Tire Condition Module of a Vehicle Tire
006747-02	DE	273	Transportation Electronics Division	10128212.5	6/11/2001			Apparatus and Method for Controlling a Tire Condition Module of a Vehicle Tire
006749-00	US	273	Transportation Electronics Division	09/593,910	6/14/2000	6,288,492	9/11/2001	Head Lamp Switch with Twilight Sentinel Control
006750-00	US	273	Transportation Electronics Division	09/366,093	8/2/1999	6,350,417	3/26/2002	Method of Assembling a Remote Keyless Entry Transmitter
006759-00	US	462	Safety Systems/Mesa	09/359,248	7/22/1999	6,117,255	9/12/2000	Gas Generating Composition Comprising Guanlyurea Dinitramide
006759-01	DE	462	Safety Systems/Mesa	10034287.6	7/14/2000	10034287	7/11/2002	Gas Generating Composition Comprising Guanlyurea Dinitramide
006769-00	US	126	Commercial Steering Division	09/421,588	10/20/1999	6,279,676	8/28/2001	Vehicle Steering Gear Mounted in Suspension Part
006780-00	US	273	Transportation Electronics Division	09/705,495	11/3/2000	6,494,284	12/17/2002	A Seat Arrangement for a Vehicle Having an Actuable Occupant Protection Device
006781-00	US	273	Transportation Electronics Division	09/687,707	10/13/2000	6,431,593	8/13/2002	Vehicle Crash Determination Arrangement and Method, Utilizing Center of Gravity, for an Occupant Protection System
006785-00	US	145	S & S Sterling Hts.	09/324,320	6/2/1999	6,206,132	3/27/2001	Vehicle Electric Steering Apparatus
006785-01	CA	145	S & S Sterling Hts.	2,310,420	6/1/2000			Vehicle Electric Steering Apparatus
006785-02	EP	145	S & S Sterling Hts.	00111657.3	5/31/2000			Vehicle Electric Steering Apparatus
006786-00	US	145	S & S Sterling Hts.	09/298,668	4/23/1999	6,247,375	6/19/2001	Apparatus for Turning Steerable Vehicle Wheels
006786-01	JP	145	S & S Sterling Hts.	2000-117673	4/19/2000	3,280,656	2/22/2002	Apparatus for Turning Steerable Vehicle Wheels
006786-02	KR	145	S & S Sterling Hts.	10-2000-16411	3/30/2000			Apparatus for Turning Steerable Vehicle Wheels

006786-03	EP	145	S & S Sterling Hts.	00105458.4	3/15/2000				Apparatus for Turning Steerable Vehicle Wheels
006788-00	US	145	S & S Sterling Hts.	09/516,382	2/29/2000	6,360,841	3/26/2002		Power Steering Mechanism with Magnetoelastic Torsion Bar
006788-02	EP	145	S & S Sterling Hts.	01911019.6	2/21/2001				Power Steering Mechanism with Magnetoelastic Torsion Bar
006791-00	US	690	TRW Fastening Systems	09/426,215	10/25/1999	6,209,404	4/3/2001		Intermittent Geneva Actuated Mechanism
006794-00	US	273	Transportation Electronics Division	09/552,328	4/19/2000				Apparatus and Method for Determining Distance Utilizing a Continuously Variable Rate Sensor for Vehicle Occupant Position Sensing
006796-00	US	273	Transportation Electronics Division	09/452,629	12/11/1999	6,220,628	4/24/2001		Vehicle Occupant Protection Apparatus and Method Having Multiple Stage Control
006796-01	EP	273	Transportation Electronics Division	00122281.9	10/19/2000				Vehicle Occupant Protection Apparatus and Method Having Multiple Stage Control
006796-02	JP	273	Transportation Electronics Division	2000-367603	12/11/2000				Vehicle Occupant Protection Apparatus and Method Having Multiple Stage Control
006810-00	US	462	Safety Systems/Mesa	09/512,584	2/24/2000	6,203,058	3/20/2001		Inflatable Curtain with Two Inflatable Members
006812-00	US	273	Transportation Electronics Division	09/378,342	8/20/1999	6,240,352	5/29/2001		Vehicle Arrangement With Cooperating Power Seat and Vehicle Occupant Protection Systems
006815-00	US	690	TRW Fastening Systems	09/392,705	9/9/1999	6,224,480	5/1/2001		Blend Door Assembly for Climate Control Systems (Jointly owned with Ford)
006818-00	US	690	TRW Fastening Systems	09/466,458	12/17/1999	6,374,696	4/23/2002		Detent Control Assembly
006818-01	DE	690	TRW Fastening Systems	10062533.9	12/15/2000				Detent Control Assembly
006840-00	US	166	Valve Division	10/016,343	12/10/2001				Method of Forming a Ceramic Article
006841-00	US	273	Transportation Electronics Division	09/521,830	3/9/2000	6,452,403	9/17/2002		Test Apparatus for Vehicle Intrusion Alarm
006846-02	US	145	S & S Sterling Hts.	09/601,172	2/11/2000	6,448,731	9/10/2002		Apparatus and Method for Controlling an Electric Motor
006846-03	EP	145	S & S Sterling Hts.	00911746.6	2/10/2000				Apparatus and Method for Controlling an Electric Motor
006846-04	JP	145	S & S Sterling Hts.	2000-598902	2/10/2000				Apparatus and Method for Controlling an Electric Motor
006846-05	BR	145	S & S Sterling Hts.	PI-0004031-2	2/10/2000				Apparatus and Method for Controlling an Electric Motor
006847-00	US	145	S & S Sterling Hts.	09/521,833	3/9/2000	6,240,961	6/5/2001		Hydraulic Power Steering Control Valve
006847-01	EP	145	S & S Sterling Hts.	01105885.6	3/9/2001				Hydraulic Power Steering Control Valve
006848-00	US	145	S & S Sterling Hts.	09/386,016	8/30/1999	6,296,018	10/2/2001		Rack and Pinion Steering System

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006848-01	EP	145	S & S Sterling Hts.	00117831.8	8/8/2000				Rack and Pinion Steering System
006849-00	US	126	Commercial Steering Division	09/373,670	8/13/1999	6,340,162	1/22/2002		Seal for Integral Power Steering Gear
006877-00	US	273	Transportation Electronics Division	09/389,180	9/2/1999	6,175,090	1/16/2001		Rocker Switch
006877-01	EP	273	Transportation Electronics Division	00118979.4	9/1/2000				Rocker Switch
006878-00	US	273	Transportation Electronics Division	09/753,046	1/2/2001	6,438,467	8/20/2002		Remote Control Convenience and Information Conveyance System Associated with a Vehicle
006878-01	FR	273	Transportation Electronics Division	01/16824	12/24/2001				Remote Control Convenience and Information Conveyance System Associated with a Vehicle
006878-02	DE	273	Transportation Electronics Division	10164333.0	12/2/2001				Remote Control Convenience and Information Conveyance System Associated with a Vehicle
006880-00	US	273	Transportation Electronics Division	09/574,954	5/19/2000	6,249,730	6/19/2001		Vehicle Occupant Protection System and Method Utilizing Z-Axis Central Safing
006893-00	US	145	S & S Sterling Hts.	09/417,107	10/6/1999	6,330,929	12/18/2001		Rack Bushing for Fluid Power Assisted Rack and Pinion Gear Assembly
006895-00	US	145	S & S Sterling Hts.	09/656,204	9/6/2000	6,424,107	6/23/2002		Apparatus And Method for Controlling An Electric Motor
006895-01	WO	145	S & S Sterling Hts.	PCT/US01/271831/2001					Apparatus And Method for Controlling An Electric Motor
006897-00	US	462	Safety Systems/Mesa	09/488,280	1/20/2000	6,357,790	3/19/2002		Apparatus For Use With A Child Seat In A Vehicle Having A Seat Belt Webbing Pretensioner
006905-00	US	462	Safety Systems/Mesa	09/552,122	4/19/2000	6,468,370	10/22/2002		Gas Generating Composition For Vehicle Occupant Protection Apparatus
006906-00	US	464	TRW Steering Wheel Systems	09/584,451	5/31/2000	6,314,833	11/13/2001		Apparatus For Attaching A Vehicle Steering Wheel To A Vehicle Steering Shaft
006910-00	US	273	Transportation Electronics Division	09/354,652	7/16/1999	6,205,629	3/27/2001		Latch Sensing Seatbelt Buckle
006925-00	US	273	Transportation Electronics Division	09/776,276	2/21/2001				Method and Apparatus for Detecting Intrusion and Non-Intrusion Events
006928-00	US	273	Transportation Electronics Division	09/371,651	8/10/1999	6,275,026	8/14/2001		Position Sensing Device
006934-00	US	462	Safety Systems/Mesa	09/602,685	2/11/2000	6,296,274	10/2/2001		Method For Initiating Solid Propellant Without An Initiator
006938-00	US	145	S & S Sterling Hts.	09/431,810	11/2/1999	6,269,709	8/7/2001		Apparatus for Automatic Control for the Clearance Between Gears
006938-01	DE	145	S & S Sterling Hts.	10053183.0	10/10/2000				Apparatus for Automatic Control for the Clearance Between Gears
006956-00	US	126	Commercial Steering Division	09/470,885	12/22/1999	6,253,657	7/3/2001		Steering Apparatus
006958-00	US	273	Transportation Electronics Division	09/400,227	9/21/1999	6,259,362	7/10/2001		System for Conveying Vehicle Status Information Upon Exit From a Vehicle

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006960-00	US	273	Transportation Electronics Division	09/507,969	2/22/2000		Apparatus and Method for Efficient Binary Phase Shift Key Data Demodulation
007003-00	US	462	Safety Systems/Mesa	09/491,338	1/26/2000	6,439,604	Module Attachment Method
007003-01	DE	462	Safety Systems/Mesa	10103110.6	1/24/2001		Module Attachment Method
007004-00	US	462	Safety Systems/Mesa	09/431,998	11/2/1999	6,431,587	Inflatable Side Curtain
007007-00	US	273	Transportation Electronics Division	09/517,988	3/3/2000	6,271,744	Current Sensing Arrangement with Encircling Current-Carrying Line and Ferromagnetic Sheet Concentrator
007008-00	US	273	Transportation Electronics Division	09/679,582	10/4/2000	6,365,442	Efficient Method of Making Micro-Miniature Switch Device
007009-00	US	273	Transportation Electronics Division	09/496,304	2/1/2000	6,302,439	Distributed Occupant Protection System and Method with Cooperative Central and Distributed Protection Module Actuation Control
007011-01	US	145	S & S Sterling Hts.	09/560,063	4/27/2000	6,387,004	Epicyclic Continuously Variable Transmission
007015-00	US	462	Safety Systems/Mesa	09/459,738	12/10/1999		Inflator Component-Surface Modification
007015-01	DE	462	Safety Systems/Mesa	10059664.9	12/1/2000		Inflator Component Surface Modification
007018-00	US	126	Commercial Steering Division	09/524,848	3/14/2000	6,301,990	Locking Apparatus
007019-00	US	145	S & S Sterling Hts.	09/433,594	11/2/1999	6,296,280	Adaptive Collapsible Steering Column
007020-00	US	462	Safety Systems/Mesa	09/654,153	9/1/2000	63,678,583	High Strength/High Toughness Low Temperature Structural Tubing
007020-01	DE	462	Safety Systems/Mesa	10143073.6	9/3/2001		Low Carbon High Strength Steel
007026-00	US	145	S & S Sterling Hts.	09/565,336	5/5/2000	6,505,862	Power Steering Apparatus
007026-01	DE	145	S & S Sterling Hts.	10121721.8	5/4/2001		Power Steering Apparatus
007029-00	US	462	Safety Systems/Mesa	09/456,088	12/6/1999	6,206,412	Inflator Assembly for a Vehicle Occupant Protection Device
007043-00	US	273	Transportation Electronics Division	09/849,497	5/4/2001		Method and Apparatus for Controlling an Occupant Side Restraining Device with Enhanced Side Safing Function
007044-00	US	273	Transportation Electronics Division	09/589,444	6/7/2000		Method and Apparatus for Controlling an Actuatable Restraint Device Using a Velocity/Displacement Based Safing Function with Immunity Box
007044-01	JP	273	Transportation Electronics Division	2001-172273	6/7/2001		Method and Apparatus for Controlling an Actuatable Restraint Device Using a Velocity/Displacement Based Safing Function with Immunity Box
007044-02	DE	273	Transportation Electronics Division	10126127.6	5/29/2001		Method and Apparatus for Controlling an Actuatable Restraint Device Using a Velocity/Displacement Based Safing Function with Immunity Box
007056-01	US	145	S & S Sterling Hts.	09/712,548	11/14/2000	6,422,335	Method and Apparatus for Controlling Steering Feel with Diagnostics

007056-02	EP	145	S & S Sterling Hts.	01128620.0	11/30/2001			Method and Apparatus for Controlling Steering Feel with Diagnostics
007058-00	US	145	S & S Sterling Hts.	09/592,456	6/9/2000			Hydraulic Connection with Spring Retaining Clip (External)
007058-02	EP	145	S & S Sterling Hts.	01941893.8	6/4/2001			Power Steering Apparatus
007063-00	US	273	Transportation Electronics Division	09/678,366	10/2/2000	6,495,820	12/17/2002	Sensor Apparatus and Method for Sensing Angular Rotation of an Object
007070-00	US	273	Transportation Electronics Division	09/769,037	1/24/2001			Apparatus and Method for Detecting Vehicle Rollover Having a Discriminating Safing Function
007070-01	DE	273	Transportation Electronics Division	10164332.2	2/28/2001			Apparatus and Method for Detecting Vehicle Rollover Having a Discriminating Safing Function
007070-02	IT	273	Transportation Electronics Division	M12002A0000	1/15/2002			Apparatus and Method for Detecting Vehicle Rollover Having a Discriminating Safing Function
007070-03	JP	273	Transportation Electronics Division	2002-15708	1/24/2002			Apparatus and Method for Detecting Vehicle Rollover Having a Discriminating Safing Function
007081-00	US	690	TRW Fastening Systems	09/469,054	12/21/1999	6,322,126	11/27/2001	Visor Support Apparatus
007101-00	US	462	Safety Systems/Mesa	09/571,642	5/15/2000	6,336,659	1/8/2002	Air Bag Module with Inflator Shield
007101-01	DE	462	Safety Systems/Mesa	10122956.9	5/11/2001			Air Bag Module with Inflator Shield
007102-00	US	462	Safety Systems/Mesa	09/515,481	2/29/2000	6,237,940	5/29/2001	Inflator for Side Curtain
007106-00	US	690	TRW Fastening Systems	09/512,583	2/24/2000	6,217,340	4/17/2001	Electrical Connector Assembly
007106-01	EP	690	TRW Fastening Systems	01103643.1	2/22/2001			Electrical Connector Assembly
007116-00	US	435	VSSI-Airbags	09/579,656	5/26/2000	6,431,597	8/13/2002	Reduced Smoke Gas Generant With Improved Mechanical Stability
007128-00	US	273	Transportation Electronics Division	09/789,789	2/20/2001			Over-Current Protection Method and Device
007130-00	US	273	Transportation Electronics Division	09/535,296	3/24/2000	6,268,790	7/31/2001	Anti-Theft Method and Apparatus
007131-00	US	273	Transportation Electronics Division	09/517,829	3/2/2000			System and Method for Automatic Function Operation with Controlled Distance Communication Having Vehicle-Based Frequency Selection
007131-01	FR	273	Transportation Electronics Division	0102821	3/1/2001			System and Method for Automatic Function Operation with Controlled Distance Communication Having Vehicle-Based Frequency Selection
007131-02	DE	273	Transportation Electronics Division	10109869.3	3/1/2001			System and Method for Automatic Function Operation with Controlled Distance Communication Having Vehicle-Based Frequency Selection
007132-00	US	273	Transportation Electronics Division	09/507,814	2/22/2000			System and Method for Remote Function Control Including Communication for Antenna Selection
007132-01	FR	273	Transportation Electronics Division	0102346	2/21/2001			System and Method for Remote Function Control Including Communication for Antenna Selection

Patent No.	Country	Class	Division	Pub No.	Pub Date	Pub No.	Pub Date	Pub No.	Pub Date	Selection
007132-02	DE	273	Transportation Electronics Division	10108578.8	2/22/2001					System and Method for Remote Function Control Including Communication for Antenna Selection
007136-00	US	273	Transportation Electronics Division	09/615,002	7/12/2000	6,453,736	9/24/2002			Apparatus and Method for Rotational Testing of an Object
007141-00	US	464	TRW Steering Wheel Systems	09/504,266	2/15/2000	6,360,632	3/26/2002			Vehicle Steering Wheel
007148-00	US	273	Transportation Electronics Division	09/593,048	6/13/2000	6,309,223	10/30/2001			Terminal Assembly for Flexible Circuit Strip
007149-00	US	273	Transportation Electronics Division	09/531,655	3/21/2000	6,250,421	6/26/2001			Power-Assisted Steering System and Method with Compensation of Pull Induced by Tire Pressure Loss
007150-00	US	273	Transportation Electronics Division	09/818,127	3/27/2001					Multi Mechanism Staged Push Switch System
007161-00	US	273	Transportation Electronics Division	09/679,172	10/4/2000	6,459,655	10/1/2002			Apparatus and Method Using Controlled Emission for Sensing an Occupant Located Beyond a Predetermined Distance
007162-00	US	273	Transportation Electronics Division	09/704,995	11/2/2000					Apparatus and Method of Vehicle Occupant Sensing Using Multiple Ultrasonic Frequencies
007163-00	US	273	Transportation Electronics Division	09/871,827	6/1/2001	6,487,483	11/26/2002			System and Method of Occupant Sensing
007164-00	US	273	Transportation Electronics Division	09/897,195	7/2/2001					Combined Occupant Characteristic and Acoustic Crash Sensor Arrangement
007165-00	US	273	Transportation Electronics Division	09/578,124	5/24/2000	6,259,042	7/10/2001			Weight Determining Systems
007166-00	US	273	Transportation Electronics Division	09/723,390	11/28/2000	6,439,007	8/27/2002			Enhanced Occupant Spring Mass Model for use with an Actuable Restraint System Including Compensating for Monotonicity of Misuse Conditions
007175-00	US	462	Safety Systems/Mesa	09/483,323	1/14/2000	6,279,952	8/28/2001			Adaptive Collapsible Steering Column
007184-00	US	462	Safety Systems/Mesa	09/459,048	12/10/1999	6,290,252	9/18/2001			Air Bag Module
007189-00	US	462	Safety Systems/Mesa	09/483,160	1/14/2000	6,213,506	4/10/2001			Actuable Knee Bolster
007189-01	DE	462	Safety Systems/Mesa	10100827.9	1/10/2001					Actuable Knee Bolster
007198-00	US	462	Safety Systems/Mesa	09/616,250	7/14/2000	6,336,651	1/6/2002			Inflatable Vehicle Occupant Protection Device
007210-00	US	166	Valve Division	08/937,181	8/31/1992	5,190,002	3/2/1993			Engine Valve
007215-00	US	462	Safety Systems/Mesa	09/625,429	7/25/2000	6,428,036	8/6/2002			Quick Disconnects For Use In Inflatable Restraints
007232-00	US	462	Safety Systems/Mesa	09/616,397	7/14/2000	6,237,942	5/29/2001			Inflatable Vehicle Occupant Protection Device
007233-00	US	462	Safety Systems/Mesa	09/650,201	8/29/2000					Door Mounted Inflatable Tubular Structure (Jointly Owned with Simula Inc.)
007233-01	DE	462	Safety Systems/Mesa	10140363.1	8/17/2001					Door Mounted Inflatable Tubular Structure (Jointly Owned with Simula Inc.)

007237-00	US	273	Transportation Electronics Division	09/528,974	3/21/2000			3/21/2000			Communication System and Method Utilizing Message Frames Having Multiple Thresholds for a Multi-Device Vehicle Occupant Protection System
007291-00	US	273	Transportation Electronics Division	09/644,116	8/22/2000	6,448,512	9/10/2002				Load Decoupling Strain Gauge
007292-00	US	273	Transportation Electronics Division	09/510,653	2/22/2000	6,288,649	9/11/2001				Weight Sensing Apparatus
007295-00	US	145	S & S Sterling Hts.	09/484,164	1/18/2000	6,422,779	7/23/2002				Ball Joint
007295-01	DE	145	S & S Sterling Hts.	10/107449.2	2/16/2001						Ball Joint
007296-00	US	126	Commercial Steering Division	09/456,168	12/7/1999	6,257,088	7/10/2001				Attachment of Steering Wheel to Steering Shaft
007304-00	US	464	TRW Steering Wheel Systems	09/662,063	9/14/2000	6,318,756	11/20/2001				Apparatus for Attaching a Steering Wheel to a Steering Shaft
007307-00	US	273	Transportation Electronics Division	09/350,058	7/8/1999	6,276,212	8/21/2001				Ultrasonic Transducer
007309-00	US	126	Commercial Steering Division	10/075,669	2/13/2002						Self-Centering Steering System
007316-00	US	462	Safety Systems/Mesa	09/634,384	8/9/2000						Ignition Composition Containing Aluminum
007332-00	US	126	Commercial Steering Division	09/634,385	8/9/2000						Transmission Shifter Assembly with Indicator
007341-00	US	145	S & S Sterling Hts.	09/431,997	11/2/1999	6,189,929	2/20/2001				Adaptive Collapsible Steering Column Device
007344-00	US	462	Safety Systems/Mesa	09/629,357	8/1/2000	6,454,306	9/24/2002				Gas Generator for Seat Belt Pretensioner
007344-01	DE	462	Safety Systems/Mesa	10/137238.8	7/31/2001						Gas Generator for Seat Belt Pretensioner
007346-00	US	462	Safety Systems/Mesa	09/591,638	6/9/2000						Biodegradable Polyhydroxyalkanoate Module Reaction Cans
007346-01	US	462	Safety Systems/Mesa	09/817,672	3/26/2001						Biodegradable Vehicle Components
007346-02	JP	462	Safety Systems/Mesa	2001-173719	6/8/2001						Biodegradable Vehicle Components
007346-03	EP	462	Safety Systems/Mesa	01113980.5	6/8/2001						Biodegradable Vehicle Components
007349-00	US	462	Safety Systems/Mesa	09/650,935	8/29/2000	6,513,834	2/4/2003				Monopropellant Smokeless Gas Generant Compositions
007358-00	US	273	Transportation Electronics Division	09/565,617	5/4/2000						Vehicle Computer System Employing Non-Interrupt Cooperative Multi-Tasking with Serialization of Synchronous Processes and Associated Method of Controlling a Plurality of
007361-00	US	462	Safety Systems/Mesa	09/672,546	9/28/2000	6,357,792	3/19/2002				Air Bag Inflator with Burst Disk
007362-00	US	462	Safety Systems/Mesa	09/633,593	8/7/2000						Smokeless Gas Generating Material for a Hybrid Inflator

007365-00	US	462	Safety Systems/Mesa	09/843,546	4/26/2001				Initiators for Air Bag Inflators
007365-01	DE	462	Safety Systems/Mesa	10215786.3	4/10/2002				Initiators for Air Bag Inflators
007366-00	US	462	Safety Systems/Mesa	09/818,129	3/27/2001				Air Bag Inflator
007366-01	DE	462	Safety Systems/Mesa	10210587.1	3/11/2002				Air Bag Inflator
007375-00	US	462	Safety Systems/Mesa	09/755,704	1/5/2001				MEMS Variable Output Inflator
007375-01	DE	462	Safety Systems/Mesa	10161515.9	12/14/2001				Air Bag Inflators
007380-00	US	462	Safety Systems/Mesa	09/755,323	1/5/2001	6,431,594	8/13/2002		Air Bag Inflator with Mechanism for Deactivation of Second Stage Autoignition
007385-00	US	462	Safety Systems/Mesa	09/756,409	1/8/2001				Seat Belt Webbing Pretensioner Using MEMS Device
007385-01	DE	462	Safety Systems/Mesa	10161955.3	12/17/2001				Seat Belt Webbing Pretensioner using MEMS Device
007391-00	US	462	Safety Systems/Mesa	09/933,926	8/21/2001				MEMS Inflatable Seatbelt
007405-00	US	145	S & S Sterling Hts.	09/496,373	2/2/2000	6,286,545	9/11/2001		Power Steering Fluid Reservoir (jointly owned w/DaimlerChrysler)
007406-00	US	145	S & S Sterling Hts.	09/504,701	2/16/2000	6,220,283	4/24/2001		Low Silhouette Power Steering Fluid Reservoir (jointly owned with DaimlerChrysler)
007415-01	US	462	Safety Systems/Mesa	09/535,413	3/24/2000	6,435,543	8/20/2002		Inflatable Side Curtain
007415-02	DE	462	Safety Systems/Mesa	10108912.0	2/23/2001				Inflatable Side Curtain
007429-00	US	126	Commercial Steering Division	09/595,854	6/16/2000	6,357,317	3/19/2002		Steering Column
007430-00	US	126	Commercial Steering Division	09/991,431	11/21/2001				Steering Column
007430-01	BR	126	Commercial Steering Division						Steering Column
007431-00	US	126	Commercial Steering Division	09/596,119	6/16/2000	6,357,318	3/19/2002		Steering Column
007432-00	US	126	Commercial Steering Division	09/697,824	10/26/2000	6,474,189	1/15/2002		Apparatus for Mounting a Foot Pedal and a Steering Column to a Vehicle
007432-01	EP	126	Commercial Steering Division	01125532.0	10/25/2001				Modular Adjustable Steering Column Having Integrated Foot Pedal Control
007440-00	US	273	Transportation Electronics Division	09/697,825	10/26/2000	6,454,422	9/24/2002		Backlit Indicia On A Painted Surface
007441-00	US	273	Transportation Electronics Division	09/891,893	7/26/2001	6,433,500	8/13/2002		Vehicle Window Position Sensor

007442-00	US	273	Transportation Electronics Division	09/641,837	8/18/2000	6,257,374	7/10/2001	Brake Pad Wear Sensing System and Method
007443-00	US	273	Transportation Electronics Division	09/661,676	9/14/2000	6,437,270	8/20/2002	Pushbutton Switch
007446-00	US	273	Transportation Electronics Division	09/796,957	3/1/2001			Apparatus and Method for Responding to the Health and Fitness of a Driver of a Vehicle
007447-00	US	273	Transportation Electronics Division	09/862,373	5/22/2001	6,501,371	12/31/2002	Apparatus and Method for Positioning a Reflective Surface on a Vehicle
007449-00	US	126	Commercial Steering Division	09/595,836	6/16/2000	6,394,219	5/28/2002	Valve For Integral Steering Gear
007449-01	BR	126	Commercial Steering Division	P10102389-6	6/13/2001			Hydraulic Power Steering System with a Pressure Relief Valve
007449-02	EP	126	Commercial Steering Division	01114493.8	6/15/2001			Hydraulic Power Steering System with a Pressure Relief Valve
007456-00	US	273	Transportation Electronics Division	09/551,692	4/18/2000	6,290,019	9/18/2001	System and Method for Vehicle Side Rollover Aversion
007477-00	US	126	Commercial Steering Division	09/634,383	8/9/2000	6,354,626	3/12/2002	Locking Mechanism for Telescoping Steering Column
007477-02	BR	126	Commercial Steering Division	PCT/US01/411	8/9/2001			Locking Mechanism for Telescoping Steering Column
007477-03	EP	126	Commercial Steering Division	01959886.1	8/9/2001			Locking Mechanism for Telescoping Steering Column
007478-00	US	126	Commercial Steering Division	09/634,386	8/9/2000	6,349,967	2/26/2002	Locking Mechanism for Tilt Steering Column
007478-02	BR	126	Commercial Steering Division	PCT/US01/244	8/9/2001			Locking Mechanism for Tilt Steering Column
007478-03	EP	126	Commercial Steering Division	01963857.6	8/9/2001			Locking Mechanism for Tilt Steering Column
007501-00	US	273	Transportation Electronics Division	09/599,320	6/22/2000			Apparatus and Method for Shielding a Circuit from Electromagnetic Interference
007501-01	DE	273	Transportation Electronics Division	10127652.4	6/7/2001			Apparatus and Method for Shielding a Circuit from Electromagnetic Interference
007503-01	DE	462	Safety Systems/Mesa	10105720.2	2/8/2001			Rollover Curtain Fill Tube
007503-02	US	462	Safety Systems/Mesa	09/840,196	4/23/2001			Inflatable Side Curtain with Fill Tube
007532-00	US	462	Safety Systems/Mesa	09/654,420	9/1/2000			Autoignition Material for a Vehicle Occupant Protection Apparatus
007532-01	DE	462	Safety Systems/Mesa	10142726.3	8/31/2001			Autoignition Material for a Vehicle Occupant Protection Apparatus
007549-00	US	273	Transportation Electronics Division	09/767,489	1/23/2001	6,431,884	8/13/2002	Apparatus and Method for Shielding a Circuit from Electromagnetic Interference
007551-00	US	273	Transportation Electronics Division	09/789,790	2/20/2001	6,441,727	8/27/2002	Arrangement and Method of Vehicle Tire Identification

007551-01	FR	273	Transportation Electronics Division	02-02084	2/19/2002			Arrangement and Method of Vehicle Tire Identification
007551-02	DE	273	Transportation Electronics Division	10206725.2	2/18/2002			Arrangement and Method of Vehicle Tire Identification
007555-00	US	462	Safety Systems/Mesa	09/767,567	1/23/2001			Free Flowing Oxidizer
007566-00	US	126	Commercial Steering Division	09/597,003	6/20/2000	6,382,342	5/7/2002	Electric Steering Column Assist For Emergency Situations
007566-01	EP	126	Commercial Steering Division	01114666.9	6/19/2001			Electric Steering Column Assist For Emergency Situations
007579-00	US	145	S & S Sterling Hts.	09/697,823	10/26/2000	6,467,366	10/22/2002	Yoke Bearing ASsembly for Hydraulic Power Assist Rack and Pinion Power Steering System
007579-01	EP	145	S & S Sterling Hts.	01125531.2	10/25/2001			Yoke Bearing ASsembly for Hydraulic Power Assist Rack and Pinion Power Steering System
007582-00	US	145	S & S Sterling Hts.	09/644,115	8/22/2000	6,378,646	4/20/2002	Pivotal Ballnut Connection for a Power Assisted Steering System
007583-00	US	145	S & S Sterling Hts.	09/693,670	10/20/2000	6,427,552	8/6/2002	Rack and Pinion Steering Gear with Spring and Relief Pocket
007583-02	EP	145	S & S Sterling Hts.	PCT/US01/314,109/2001	10/9/2001			Rack and Pinion Steering Gear with Spring and Relief Pocket
007583-03	JP	145	S & S Sterling Hts.	PCT/US01/314,109/2001	10/9/2001			Rack and Pinion Steering Gear with Spring and Relief Pocket
007583-04	KR	145	S & S Sterling Hts.	PCT/US01/314,109/2001	10/9/2001			Rack and Pinion Steering Gear with Spring and Relief Pocket
007584-00	US	145	S & S Sterling Hts.	09/826,516	4/4/2001			Method For Forming Mounting Features For A Steering Gear
007586-00	US	145	S & S Sterling Hts.	09/636,018	8/10/2000	6,408,708	6/25/2002	Rack and Pinion Steering Gear with Low Friction Yoke ASsembly
007587-00	US	145	S & S Sterling Hts.	09/641,277	8/17/2000	6,363,833	4/22/2002	Piston for Hydraulic Power Assist Rack and Pinion Steering System
007587-02	EP	145	S & S Sterling Hts.	PCT/US01/41418/9/2001	8/9/2001			Piston for Hydraulic Power Assist Rack and Pinion Steering System
007587-03	JP	145	S & S Sterling Hts.	PCT/US01/41418/9/2001	8/9/2001			Piston for Hydraulic Power Assist Rack and Pinion Steering System
007587-04	KR	145	S & S Sterling Hts.	PCT/US01/41418/9/2001	8/9/2001			Piston for Hydraulic Power Assist Rack and Pinion Steering System
007589-00	US	145	S & S Sterling Hts.	09/677,964	10/3/2000	6,419,042	7/16/2002	Integrated Electric Power Hydraulic Steering System
007589-01	WO	145	S & S Sterling Hts.	PCT/US01/424,102/2001	10/2/2001			Integrated Electric Power Hydraulic Steering System
007593-00	US	273	Transportation Electronics Division	09/687,709	10/13/2000			Vehicle-Controlled Tire Condition Sensor Communication Utilizing Fixed Tire Identification
007593-01	EP	273	Transportation Electronics Division	01122017.5	9/13/2001			Vehicle-Controlled Tire Condition Sensor Communication Utilizing Fixed Tire Identification

007595-00	US	273	Transportation Electronics Division	09/753,290	1/2/2001	6,441,728	8/27/2002	Tire Condition Sensor Communication with Tire Location Provided via Vehicle-Mounted Identification Units
007596-00	US	273	Transportation Electronics Division	09/769,039	1/24/2001	6,433,681	8/13/2002	Apparatus and Method for Detecting Vehicle Rollover Having Roll-Rate Switched Threshold
007596-01	EP	273	Transportation Electronics Division	02001625.9	1/23/2002			Apparatus and Method for Detecting Vehicle Rollover Having Roll-Rate Switched Threshold
007617-00	US	462	Safety Systems/Mesa	09/781,939	2/12/2001			Ignition Material for an Igniter
007618-00	US	462	Safety Systems/Mesa	09/754,805	1/4/2001			Improved Nitrocellulose Gas Generant For Belt Pretensioners
007618-01	DE	462	Safety Systems/Mesa	10160618.4	12/11/2001			Improved Nitrocellulose Gas Generant For Belt Pretensioners
007626-00	US	145	S & S Sterling Hts.	10/219,560	8/14/2002			Method and Apparatus for Controlling an Electric Assist Motor Using a Modified Blending Filter
007653-00	US	273	Transportation Electronics Division	10/104,559	3/22/2002			Structured Lighting Detection of Vehicle Occupant Type and Position
007654-00	US	273	Transportation Electronics Division	09/708,986	11/8/2000	6,384,357	5/7/2002	Switch with Cantilevered Detent Mechanism
007655-00	US	273	Transportation Electronics Division	09/599,981	6/2/2000	6,340,928	1/22/2002	Emergency Assistance System Using Bluetooth Technology
007656-02	EP	126	Commercial Steering Division	01964670.2	3/30/2001			Steer-By-Wire System With Inherent Road Feel
007656-03	US	126	Commercial Steering Division	10/239,756	9/25/2002			Steer-By-Wire Steering System With Road Feel
007657-01	WO	126	Commercial Steering Division	PCT/US01/40329/2001	3/29/2001			Electric Steering Apparatus
007657-02	EP	126	Commercial Steering Division	01929026.1	3/29/2001			Electric Steering Apparatus
007657-03	US	126	Commercial Steering Division	10/239,798	9/25/2002			Electric Steering Apparatus
007675-00	US	273	Transportation Electronics Division	09/858,095	5/15/2001			Vehicle Remote Convenience Receiver Unit Having Multiple Energy Saving Sleep Modes
007681-00	US	462	Safety Systems/Mesa	09/817,593	3/26/2001			Pyrotechnic Device and Gas Generating Composition Therefor
007688-00	US	145	S & S Sterling Hts.	09/564,653	5/3/2000			Boot Seal and Method of Manufacturing the Same
007688-01	WO	145	S & S Sterling Hts.	PCT/US01/10329/2001	3/29/2001			Boot Seal and Method of Manufacturing the Same
007688-02	EP	145	S & S Sterling Hts.	01924514.1	3/29/2001			Boot Seal and Method of Manufacturing the Same
007701-00	US	462	Safety Systems/Mesa	09/911,202	7/23/2001	6,481,747	11/19/2002	Cool Low Effluent Pyrotechnic Inflator
007701-01	DE	462	Safety Systems/Mesa	10233185.5	7/22/2002			Cool Low Effluent Pyrotechnic Inflator

007702-00	US	462	Safety Systems/Mesa	09/727,199	11/30/2000			Binder For A Gas Generating Material
007706-00	US	145	S & S Sterling Hts.	09/564,654	5/3/2000	6,386,551	5/14/2002	Plastic Sleeve and Method of Manufacturing the Same
007706-02	US	145	S & S Sterling Hts.	10/145,223	5/14/2002			Method of Manufacturing a Boot Seal
007706-03	KR	145	S & S Sterling Hts.	10-2002-70144	3/29/2001			Boot Seal And Method Of Manufacturing The Same
007706-04	JP	145	S & S Sterling Hts.	2001-581007	3/29/2001			Boot Seal And Method Of Manufacturing The Same
007706-05	EP	145	S & S Sterling Hts.	01922875.8	3/29/2001			Boot Seal And Method Of Manufacturing The Same
008373-00	US	126	Commercial Steering Division	09/934,124	8/21/2001			An Apparatus that Mounts a Steering Shaft to a Vehicle
008373-01	BR	126	Commercial Steering Division	P10202968-5	7/29/2002			An Apparatus that Mounts a Steering Shaft to a Vehicle
008373-02	EP	126	Commercial Steering Division	02012841.9	6/10/2002			An Apparatus that Mounts a Steering Shaft to a Vehicle
008373-03	MX	126	Commercial Steering Division	2002/007910	8/15/2002			An Apparatus that Mounts a Steering Shaft to a Vehicle
008376-00	US	126	Commercial Steering Division	09/684,729	10/6/2000			Steering Column with Improved Housing
008378-00	US	462	Safety Systems/Mesa	10/034,148	12/27/2001			Actuatable Fastener for Air Bag Module Vent
008379-00	US	462	Safety Systems/Mesa	10/034,571	12/27/2001			Cool Burning Gas Generating Material for a Vehicle Occupant Protection Apparatus
008425-00	US	572	Switchgear (Wirona)	09/840,366	4/23/2001			Switch Pod Assembly
008493-02	US	405	TRW Lucas Varity Electric Steering Ltd.	10/077,594	8/17/2000			Method and Apparatus for Controlling an Electric Powered Assisted Steering System using an Adaptive Blending Torque Filter.
008493-03	EP	405	TRW Lucas Varity Electric Steering Ltd.	00953338.1	8/17/2000			Method and Apparatus for Controlling an Electric Powered Assisted Steering System using an Adaptive Blending Torque Filter.
008493-04	JP	405	TRW Lucas Varity Electric Steering Ltd.	2001-516803	8/17/2000			Method and Apparatus for Controlling an Electric Powered Assisted Steering System using an Adaptive Blending Torque Filter.
009783-00	US	145	S & S Sterling Hts.	09/803,212	3/9/2001			Rack and Pinion Steering Gear with Low Friction Yoke Assembly
009783-01	WO	145	S & S Sterling Hts.	PCT/US02/051	2/11/2002			Rack and Pinion Steering Gear with Low Friction Yoke Assembly
009784-00	US	145	S & S Sterling Hts.	09/858,103	5/15/2001			Electric Power Assisted Steering System Having a Single Integrated Circuit with Two Processors.
009784-01	WO	145	S & S Sterling Hts.	PCT/US02/145	5/10/2002			Electric Power Assisted Steering System Having a Single Integrated Circuit with Two Processors.
009789-00	US	145	S & S Sterling Hts.	09/846,898	5/1/2001			Rack and Pinion Steering Gear with a Unitized Yoke Assembly

009789-01	WO	145	S & S Sterling Hts.	09/772.140	1/29/2001	6,431,306	8/13/2002	Rack and Pinion Steering Gear with a Unitized Yoke Assembly
009789-02	WO	145	S & S Sterling Hts.	09/772.140	1/29/2001	6,431,306	8/13/2002	Rack and Pinion Steering Gear with a Unitized Yoke Assembly
009790-00	US	145	S & S Sterling Hts.	01127231.7	11/16/2001			Power Steering Valve with Valve Sleeve Retainer
009790-01	EP	145	S & S Sterling Hts.	01127231.7	11/16/2001			Power Steering Valve with Valve Sleeve Retainer
009790-02	JP	145	S & S Sterling Hts.	2002-19337	1/29/2002			Power Steering Valve with Valve Sleeve Retainer
009790-03	KR	145	S & S Sterling Hts.	10-2002-0000	1/3/2002			Power Steering Valve with Valve Sleeve Retainer
009791-00	US	145	S & S Sterling Hts.	09/782.330	2/13/2001			Ball Joint Seal
009791-01	EP	145	S & S Sterling Hts.	02003056.5	2/12/2002			Ball Joint Seal
009792-00	US	145	S & S Sterling Hts.	09/788.080	2/16/2001	6,457,730	10/1/2002	Anti-Roll Bar with Link Actuator for Controlling Torsional Rigidity
009792-01	EP	145	S & S Sterling Hts.	02003450.0	2/14/2002			Anti-Roll Bar with Link Actuator for Controlling Torsional Rigidity
009793-00	US	145	S & S Sterling Hts.	09/839.913	4/20/2001			Rack and Pinion Steering Gear with Low Friction Roller Yoke Design
009793-01	WO	145	S & S Sterling Hts.	PCT/US02/061377/2002				Rack and Pinion Steering Gear with Low Friction Roller Yoke Design
009794-00	US	145	S & S Sterling Hts.	09/772.057	1/29/2001	6,502,831	1/7/2003	Ball Joint with Seal
009796-00	US	145	S & S Sterling Hts.	09/880.323	6/16/2001			Boot for a Rack and Pinion Steering Gear Assembly
009796-01	WO	145	S & S Sterling Hts.	PCT/US02/1766/2002				Boot for a Rack and Pinion Steering Gear Assembly
009801-00	US	462	Safety Systems/Mesa	09/903.234	7/11/2001			Vehicle Occupant Safety Apparatus with Restraint communication Bus and Transformer connections
009801-01	DE	462	Safety Systems/Mesa	10230706.7	7/8/2002			Vehicle Occupant Safety Apparatus with Restraint communication Bus and Transformer connections
009829-00	US	690	TRW Fastening Systems	09/710.046	11/10/2000	6,406,242	6/18/2002	Apparatus for Fastening Together Two Plates
009836-00	US	126	Commercial Steering Division	09/798.202	3/2/2001			Apparatus for Connecting a Vehicle Steering Wheel to a Steering Shaft
009836-01	EP	126	Commercial Steering Division	02003764.4	2/19/2002			Apparatus for Connecting a Vehicle Steering Wheel to a Steering Shaft
009836-02	BR	126	Commercial Steering Division	PI0200555-7	2/28/2002			Apparatus for Connecting a Vehicle Steering Wheel to a Steering Shaft
009840-00	US	273	Transportation Electronics Division	09/615.860	7/13/2000	6,401,855	6/1/2002	Seat Load Sensing Apparatus

009840-01	JP	273	Transportation Electronics Division	2001-169314	6/5/2001			Seat Load Sensing Apparatus
009840-02	EP	273	Transportation Electronics Division	01113281.8	5/31/2001			Seat Load Sensing Apparatus
009842-00	US	273	Transportation Electronics Division	09/829,320	4/9/2001			Method and Apparatus for Controlling an Actuable Restraining Device Using Switched Thresholds based on Crush Zone Sensors
009842-01	DE	273	Transportation Electronics Division	10215384.1	4/4/2002			Method and Apparatus for Controlling an Actuable Restraining Device Using Switched Thresholds based on Crush Zone Sensors
009842-02	IT	273	Transportation Electronics Division	M12002A 0007	4/9/2002			Method and Apparatus for Controlling an Actuable Restraining Device Using Switched Thresholds based on Crush Zone Sensors
009843-00	US	462	Safety Systems/Mesa	09/767,017	1/23/2001			Anhydrous Phase Stabilized Ammonium Nitrate and Process for Making Same
009848-00	US	462	Safety Systems/Mesa	09/753,442	1/3/2001	6,410,682	6/25/2002	Polymeric Amine for a Gas Generating Material
009849-00	US	462	Safety Systems/Mesa	09/829,457	4/10/2001			Air Bag Module With Vent
009850-00	US	273	Transportation Electronics Division	09/872,527	6/1/2001			Occupant Sensing System and Method Via Imaging
009861-00	US	690	TRW Fastening Systems	09/804,918	3/13/2001			Inflatable Curtain Assembly
009861-01	EP	690	TRW Fastening Systems	02005784.0	3/13/2002			Inflatable Curtain Assembly
009861-02	US	690	TRW Fastening Systems					Inflatable Curtain Assembly
009864-00	US	273	Transportation Electronics Division	09/727,251	11/29/2000			Vehicle Communication for Tire Sensor Initiation and Vehicle Keyless Entry Via A Shared Resource
009864-01	EP	273	Transportation Electronics Division	01126889.3	11/12/2001			Vehicle Communication for Tire Sensor Initiation and Vehicle Keyless Entry Via A Shared Resource
009865-00	US	273	Transportation Electronics Division	09/711,588	11/14/2000			Tire Condition Sensor Communication with Duty-Cycled Amplified Tire-Side Reception
009865-01	EP	273	Transportation Electronics Division	01126688.9	11/8/2001			Tire Condition Sensor Communication with Duty-Cycled Amplified Tire-Side Reception
009866-00	US	273	Transportation Electronics Division	09/776,547	2/2/2001	6,501,372	12/31/2002	Tire Condition Sensor Communication with Unique Sampling on Vehicle-Side Diversity Antenna Array
009866-01	EP	273	Transportation Electronics Division	02002478.2	2/1/2002			Tire Condition Sensor Communication with Unique Sampling on Vehicle-Side Diversity Antenna Array
009867-00	US	273	Transportation Electronics Division	09/753,030	1/2/2001			Tire Condition Sensor Unit Mounting Arrangement
009867-02	EP	273	Transportation Electronics Division	01924764.2	4/6/2001			Tire Condition Sensor Unit Mounting Arrangement
009870-00	US	145	S & S Sterling Hts.	09/898,562	7/3/2001			EPAS Steering System with Friction Compensation and Method for Controlling the System
009870-01	WO	145	S & S Sterling Hts.	PCT/US02/201	6/27/2002			EPAS Steering System with Friction Compensation and Method for Controlling the System

010158-00	US	473	VSSI-Seat Belts	10/238,484	9/10/2002			Seat Belt Pretensioner
010162-00	US	145	S & S Sterling Hts.	10/092,699	3/7/2002			Steering Link with Buckle Portion
010164-00	US	273	Transportation Electronics Division	09/865,154	5/24/2001			Apparatus and Method for Determining Vehicle Occupant Characteristic Utilizing Imaging with Provided Light
010165-00	US	273	Transportation Electronics Division	09/817,520	3/26/2001			Vehicle Occupant Position Sensor Utilizing Image Focus Attributes
010167-00	US	690	TRW Fastening Systems	09/957,599	9/20/2001			Apparatus for Directing Air Flow to a Passenger Compartment of a Motor Vehicle (Jointly owned w/Visteon)
010167-01	EP	690	TRW Fastening Systems	02016420.8	7/22/2002			Apparatus for Directing Air Flow to a Passenger Compartment of a Motor Vehicle (Jointly owned with Visteon)
010167-02	JP	690	TRW Fastening Systems	2002-276004	9/20/2002			Apparatus for Directing Air Flow to a Passenger Compartment of a Motor Vehicle (jointly owned with Visteon Global Technologies)
010176-00	US	145	S & S Sterling Hts.	10/016,463	12/10/2001			Rack Housing for Steering Gear
010189-00	US	145	S & S Sterling Hts.	09/709,008	11/8/2000	16,513,818	2/4/2003	Assembly for Vehicle Suspension System (Jointly owned w/Lucas Automotive GmbH)
010189-01	WO	145	S & S Sterling Hts.	PCT/US01/501	11/7/2001			Assembly for Vehicle Suspension System
010193-00	US	273	Transportation Electronics Division	09/817,524	3/26/2001			Parallelogram Load Sensing Apparatus for a Seat Belt Webbing
010193-01	US	273	Transportation Electronics Division	09/861,127	3/26/2001			Parallelogram Load Sensing Apparatus for a Seat Belt Webbing
010193-02	JP	273	Transportation Electronics Division	2002-82690	3/25/2002			Parallelogram Load Sensing Apparatus for a Seat Belt Webbing
010193-03	EP	273	Transportation Electronics Division	02006196.6	3/19/2002			Parallelogram Load Sensing Apparatus for a Seat Belt Webbing
010214-00	US	126	Commercial Steering Division	09/809,478	3/14/2001			Fixed Column With Stamped Mounting Bracket
010214-01	EP	126	Commercial Steering Division	02004132.3	2/25/2002			Fixed Column With Stamped Mounting Bracket
010214-02	BR	126	Commercial Steering Division	PI-0200837-8	3/14/2002			Fixed Column With Stamped Mounting Bracket
010216-00	US	273	Transportation Electronics Division	09/863,858	5/23/2001			Vehicle Seat Position Sensing Apparatus
010217-00	US	273	Transportation Electronics Division	09/878,019	6/8/2001	6,472,970	10/29/2002	Apparatus for Attaching an Electric Coil to a Printed Circuit Board
010235-00	US	462	Safety Systems/Mesa	09/962,780	9/25/2001			Air Bag Module with Pressure Regulator
010235-01	DE	462	Safety Systems/Mesa	10244745.4	9/25/2002			Air Bag Module with Pressure Regulator
010238-00	US	145	S & S Sterling Hts.	09/839,914	4/20/2001			Hydraulic Power Steering System with Reservoir and Method of Operating Same

010238-01	WO	145	S & S Sterling Hts.	PCT/US02/0653/7/2002			Hydraulic Power Steering System with Reservoir and Method of Operating Same
010239-00	US	145	S & S Sterling Hts.	10/123,655	4/16/2002		Rack and Pinion Steering Gear with Hydraulic Yoke Assembly
010277-00	US	145	S & S Sterling Hts.	10/034,804	10/19/2001		Rack and Pinion Steering Gear with Pivoting Yoke Assembly
010281-00	US	145	S & S Sterling Hts.	09/904,754	7/13/2001		Method of Manufacturing a Boot Seal
010281-01	WO	145	S & S Sterling Hts.	PCT/US02/18/6/13/2002			Method of Manufacturing a Boot Seal
010285-00	US	145	S & S Sterling Hts.	60/310,912	8/8/2001		Rack Gear and Method of Making Same
010285-01	WO	145	S & S Sterling Hts.	PCT/US02/24/8/6/2002			Rack Gear and Method of Making Same
010286-00	US	145	S & S Sterling Hts.	60/292,174	5/18/2001		Ring Rack Seal
010286-01	WO	145	S & S Sterling Hts.	PCT/US02/18/5/16/2002			Ring Rack Seal
010300-00	US	690	TRW Fastening Systems	09/951,851	9/13/2001		Torque Balancing Apparatus and Method for an Automotive Temperature Control System
010301-00	US	690	TRW Fastening Systems	10/001,168	10/23/2001		Retractable Grab Handle and Coat Hook
010301-01	EP	690	TRW Fastening Systems	02019927.9	9/4/2002		Retractable Grab Handle and Coat Hook
010301-02	JP	690	TRW Fastening Systems	2002/270672	9/18/2002		Retractable Grab Handle and Coat Hook
010315-00	US	126	Commercial Steering Division	10/117,902	4/8/2002		Steering Column
010335-00	US	462	Safety Systems/Mesa	09/944,873	8/31/2001		Method of Producing a Cold Temperature High Toughness Structural Steel Tubing
010389-00	US	273	Transportation Electronics Division	10/224,819	8/21/2002		Load Sensing Assembly for a Vehicle Seat (jointly owned with Johnston Controls)
010439-00	US	273	Transportation Electronics Division	10/037,796	1/4/2002		Apparatus for Monitoring Rotating of an Object about an Axis
010445-01	US	435	VSSI-Airbags	10/085,214	2/29/2002		Method of Folding Air Bag
010474-00	US	126	Commercial Steering Division	09/903,142	7/11/2001		Method of Controlling a Vehicle Steering Apparatus
010474-01	WO	126	Commercial Steering Division	PCT/US02/20/6/27/2002			Method of Controlling a Vehicle Steering Apparatus
010475-00	US	126	Commercial Steering Division	10/061,584	2/1/2002		Surface Treatment for a Locking Mechanism
010476-00	US	126	Commercial Steering Division	10/136,598	5/1/2002		Steering Column

010477-00	US	126	Commercial Steering Division	09/973,201	10/9/2001			An Intermediate Steering Column
010478-00	US	126	Commercial Steering Division	09/991,424	11/21/2001			Steering Column
010478-01	BR	126	Commercial Steering Division	P10204621-0	11/11/2002			Steering Column
010478-02	DE	126	Commercial Steering Division	10245236.9	9/27/2002			Steering Column
010479-00	US	126	Commercial Steering Division	09/916,074	7/26/2001	6,513,984	2/5/2003	Steering Column With Bearings (Lash Free Universal Joint)
010502-00	US	145	S & S Sterling Hts.	09/956,405	9/19/2001			Rack and Pinion Steering Gear with Powered Metal Bushing
010502-01	EP	145	S & S Sterling Hts.	02019929.5	9/4/2002			Rack and Pinion Steering Gear with Powered Metal Bushing
010502-02	KR	145	S & S Sterling Hts.	10-2002-00691	11/8/2002			Rack and Pinion Steering Gear with Powered Metal Bushing
010523-00	US	145	S & S Sterling Hts.	09/961,838	9/24/2001	6,467,566	10/22/2002	Integral Bushing Assembly for a Rack and Pinion Steering Gear
010523-01	US	145	S & S Sterling Hts.	10/109,348	3/27/2002			Integral Bushing Assembly for a Rack and Pinion Steering Gear
010523-02	WO	145	S & S Sterling Hts.	PCT/US02/284	9/4/2002			Integral Bushing Assembly for a Rack and Pinion Steering Gear
010538-00	US	462	Safety Systems/Mesa	09/976,822	10/12/2001			Air Bag Module with Vent Cover
010538-01	DE	462	Safety Systems/Mesa	10244220.7	9/23/2002			Air Bag Module with Vent Cover
010546-00	US	273	Transportation Electronics Division	10/104,173	3/22/2002			Intrusion Detection System Using Linear Imaging
010556-00	US	690	TRW Fastening Systems	10/057,676	1/25/2002			Apparatus for Transporting Laboratory Animals (jointly owned w/Jackson Laboratories)
010557-00	US	690	TRW Fastening Systems	09/907,346	7/17/2001	6,474,921	11/5/2002	Two Part Twist Fastener
010557-01	EP	690	TRW Fastening Systems					Two Part Twist Fastener
010578-00	US	145	S & S Sterling Hts.	09/873,220	10/9/2001			Ball Joint with Dual Studs
010578-01	EP	145	S & S Sterling Hts.	02022349.1				Ball Joint with Dual Studs
010594-00	US	462	Safety Systems/Mesa	09/965,277	9/27/2001			Inflatable Vehicle Occupant Protection Device
010594-01	EP	462	Safety Systems/Mesa	02019928.7	9/4/2002			Inflatable Vehicle Occupant Protection Device
010617-00	DE	126	Commercial Steering Division	20202241.2	2/14/2002	20202241.2	6/13/2002	Noise Reducing Molecular Joint

010625-00	US	126	Commercial Steering Division	10/059,983	1/29/2002			Steer by Wire Steering Apparatus with Actuable Mechanism
010625-01	BR	126	Commercial Steering Division					Steer by Wire Steering Apparatus with Actuable Mechanism
010626-00	US	145	S & S Sterling Hts.	10/172,621	6/14/2002			Rack and Pinion Steering Gear with Integral Support Bearing
010630-00	US	273	Transportation Electronics Division	10/067,067	2/4/2002			Tire Pressure Monitoring System with Pressure Gauge Operating Mode
010630-01	FR	273	Transportation Electronics Division	0301062	1/30/2003			Tire Pressure Monitoring System with Pressure Gauge Operating Mode
010658-00	US	145	S & S Sterling Hts.	09/941,032	8/28/2001			Electric Steering Motor with Internal Circuit Board
010658-01	WO	145	S & S Sterling Hts.	PCT/US02/206	6/28/2002			Electric Steering Motor with Internal Circuit Board
010668-00	US	145	S & S Sterling Hts.	10/047,534	1/15/2002			Ball Joint with Dual Tapered Connection
010673-00	US	145	S & S Sterling Hts.	10/338,354	1/8/2003			Dynamic Tuning Of Current Loop Controller For A PermanentMagnet Brushless Motor
010674-00	US	145	S & S Sterling Hts.	10/114,368	4/2/2002			Method and Apparatus for Determining Motor Faults in an Electric Assist Steering System
010716-00	US	462	Safety Systems/Mesa	10/036,905	12/21/2001			Electrically Actuable Initiator with Output Charge
010750-00	US	145	S & S Sterling Hts.	10/215,461	8/9/2002			Damped Outer Tie Rods Utilizing Piezo Circuits
010787-00	US	690	TRW Fastening Systems	10/060,537	1/30/2002			Retractable Coat Hook
010808-00	US	145	S & S Sterling Hts.	60/385,421	5/31/2002			Integrated Control Unit for an Active Roll Control System for a Vehicle Suspension
010876-00	US	273	Transportation Electronics Division	10/051,783	1/17/2002			Passive Function Control System for a Motor Vehicle
010880-00	US	145	S & S Sterling Hts.	10/121,233	4/12/2002			Electric Power Steering Assembly
010882-00	US	145	S & S Sterling Hts.	10/186,181	6/27/2002			Electric Power Steering Assembly
010896-00	US	572	Switchgear (Winona)	10/242,814	9/13/2002			Steering Wheel Rotary Connector
010899-00	US	145	S & S Sterling Hts.	10/156,307	5/28/2002			Ball Joint Seal
010921-01	US	126	Commercial Steering Division	09/529,044	4/5/2000	6,276,476	8/21/2001	Right Hand Drive Steering System and Conversion Method from Left Hand Drive Vehicle (Jointly owned with International Truck and Engine Corporation)
010921-02	ZA	126	Commercial Steering Division	2001-2974	12/22/1999			Right Hand Drive Steering System and Conversion Method from Left Hand Drive Vehicle (Jointly owned with International Truck and Engine Corporation)
010922-00	US	145	S & S Sterling Hts.	10/231,707	8/30/2002			Belt Tensioner For Electric Power Steering Unit

Automotive Patents and Applications Owned by TRW Inc. as of 21 Feb 2003

010923-00	US	145	S & S Sterling Hts.	10/210,137	8/1/2002			Electrically Assisted Power Steering System with Anti-Theft Capability
010954-00	US	435	VSSI-Airbags	10/195,799	7/15/2002			Apparatus and Method for Damping Vibration of a Vehicle Part
010976-00	US	145	S & S Sterling Hts.	10/054,639	1/22/2002			Steering Linkage and Ball Joint
011000-00	US	126	Commercial Steering Division	10/279,661	10/24/2002			Universal Joint
011001-00	US	126	Commercial Steering Division	10/244,969	9/17/2002			Steering Column
011002-00	US	273	Transportation Electronics Division	10/223,921	8/20/2002			Apparatus with Receiver Having Selectable Threshold Time Constant
011008-00	US	126	Commercial Steering Division	09/228,588	1/12/1999	6,054,778	4/25/2000	Electronic Steering Wheel Technique for Passing Information with a Programmable Current Source and Detector
011009-00	US	126	Commercial Steering Division	09/228,591	1/12/1999	6,148,251	11/14/2000	Touchtone Electronic Steering Wheel
011091-01	WO	126	Commercial Steering Division	PCT/US02/37	11/13/2002			Vane Pump having a Pressure Compensating Valve
011196-00	US	596	Shirley CPC	08/426,376	4/21/1995	5,767,793	6/16/1998	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-02	FR	596	Shirley CPC	96105222.2	4/1/1996	740166	10/17/2001	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-03	DE	596	Shirley CPC	0740166	4/1/1996	69615905.8-0	10/17/2001	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-04	GB	596	Shirley CPC	96105222.2	4/1/1996	740166	10/17/2001	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-05	IT	596	Shirley CPC	96105222.2	4/1/1996	740166	10/17/2001	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-06	SE	596	Shirley CPC	96105222.2	4/1/1996	740166	10/17/2001	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-07	JP	596	Shirley CPC	8-95463	4/17/1996	2,991,659	10/15/1999	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011196-08	US	596	Shirley CPC	08/976,587	11/24/1997	5,940,011	8/17/1999	Compact Vehicle Based Rear and Side Obstacle Detection System Including Multiple Antennae
011198-00	US	273	Transportation Electronics Division	08/212,082	3/14/1994	5,894,203	3/16/1999	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-02	BE	273	Transportation Electronics Division	94119630.5	12/12/1994	677431	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-03	DE	273	Transportation Electronics Division	0677431	12/12/1994	69427810.6-0	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-04	ES	273	Transportation Electronics Division	0677431	12/12/1994	2,159,538	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-05	FR	273	Transportation Electronics Division	94119630.5	12/12/1994	677431	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing

011198-06	GB	273	Transportation Electronics Division	94119630.5	12/12/1994	677431	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-07	IT	273	Transportation Electronics Division	94119630.5	12/12/1994	677431	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-08	SE	273	Transportation Electronics Division	94119630.5	12/12/1994	677431	7/27/2001	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011198-09	JP	273	Transportation Electronics Division	07-051134	3/10/1995	2,661,882	6/13/1997	Combination Accelerometer and High Frequency Pressure Transducer for Crash Sensing
011229-00	GB	405	TRW Lucas Varity Electric Steering Ltd.	0213098.7	6/7/2002			Improved Voltage EPAS Motor
011255-00	MX	165	Valve Division					Valve
011256-00	US	273	Transportation Electronics Division	10/135.213	4/30/2002			Method and Apparatus for Sensing Tire Pressure
011261-00	US	126	Commercial Steering Division	10/228.767	8/27/2002			Steering Apparatus for Turning Multiple Sets of Steerable Vehicle Wheels
011265-00	US	126	Commercial Steering Division	10/234.013	9/3/2002			Vehicle Steering Apparatus with Anti-Steer Security Device
011268-00	US	145	S & S Sterling Hts. Division	60/377.572	5/3/2002			Power Steering Control Valve
011334-00	US	166	Valve Division	10/223.182	8/19/2002			Plated Engine Valve
011379-00	US	126	Commercial Steering Division	10/251.021	9/20/2002			Steering Column
011462-00	US	126	Commercial Steering Division	10/251.393	9/20/2002			Ball Joint Assembly with Wear Indication
011477-00	US	273	Transportation Electronics Division	10/316.770	12/11/2002			Apparatus for Sensing Vehicle Seat Position
011518-00	US	273	Transportation Electronics Division	60/426.130	11/14/2002			Tire Pressure Monitoring System with Reduced Number of Low Frequency Control Devices for Determining the Location of Wheel-Mounted TPM Transmitters
011518-01	US	273	Transportation Electronics Division	10/320.022	12/16/2002			Tire Pressure Monitoring System with Reduced Number of Low Frequency Control Devices for Determining the Location of Wheel-Mounted TPM Transmitters
011520-00	US	273	Transportation Electronics Division	10/320.798	12/16/2002			Electrical Switch Assembly
011734-00	US	273	Transportation Electronics Division	09/169.779	11/28/2000	6,24,2820	6/5/2001	APPARATUS FOR PROVIDING A DIGITAL REPRESENTATION OF THE WEIGHT OF AN OBJECT
011734-02	EP	273	Transportation Electronics Division	99119134.7	10/5/1999			APPARATUS FOR PROVIDING A DIGITAL REPRESENTATION OF THE WEIGHT OF AN OBJECT
011734-03	JP	273	Transportation Electronics Division	288489/99	10/8/1999	3,337,442	8/9/2002	APPARATUS FOR PROVIDING A DIGITAL REPRESENTATION OF THE WEIGHT OF AN OBJECT
011735-00	US	273	Transportation Electronics Division	09/454.443	12/3/1999	6,278,361	8/21/2001	SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES
011735-01	CA	273	Transportation Electronics Division	2325139	11/6/2000			SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES

011735-02	EP	273	Transportation Electronics Division	00125323.6	11/29/2000				SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES
011735-03	JP	273	Transportation Electronics Division	2000-357107	1/24/2000				SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES
011735-04	KR	273	Transportation Electronics Division	10-2000-00703	1/24/2000				SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES
011735-05	TW	273	Transportation Electronics Division	89122258	10/23/2000	162155	12/19/2002		SYSTEM AND METHOD FOR MONITORING VEHICLE CONDITIONS AFFECTING TIRES
011736-00	US	273	Transportation Electronics Division	09/900.323	7/6/2001				TIRE TREAD INTEGRITY MONITORING SYSTEM AND METHOD
011736-01	EP	273	Transportation Electronics Division	02014872.2	7/4/2002				TIRE TREAD INTEGRITY MONITORING SYSTEM AND METHOD
011736-02	JP	273	Transportation Electronics Division	2002-198350	7/8/2002				TIRE TREAD INTEGRITY MONITORING SYSTEM AND METHOD
011737-00	US	273	Transportation Electronics Division	10/269.697	10/11/2002				PASSIVE DAMPING WITH PLATELET REINFORCED VISCOELASTIC MATERIALS
011738-00	US	273	Transportation Electronics Division	08/117.266	9/7/1993	5,512,901	4/30/1996		A Built-in Radiation Structure For A Millimeter Wave Radar Sensor
011738-05	JP	273	Transportation Electronics Division	5-334109	12/28/1993	2,670,422	7/4/1997		A Built-in Radiation Structure For A Millimeter Wave Radar Sensor
011738-06	US	273	Transportation Electronics Division	07767.953	9/30/1991	5,315,303	5/24/1994		Compact Flexible And Integrated Millimeter Wave Radar Sensor
011738-11	JP	273	Transportation Electronics Division	4-231750	8/31/1992	3,154,829	2/2/2001		Compact Radar Sensor
011739-01	EP	273	Transportation Electronics Division	99100711.3	1/15/1999				POLARIZED HEADLAMPS AND REAR VIEW MIRRORS
011740-00	US	273	Transportation Electronics Division	09/685.212	6/1/2000				LONG RANGE TWO WAY LOW POWER COMMUNICATION DEVICE
011740-01	EP	273	Transportation Electronics Division	01111284.4	5/16/2001				LONG RANGE TWO WAY LOW POWER COMMUNICATION DEVICE
011740-02	JP	273	Transportation Electronics Division	2001-120548	4/19/2001				LONG RANGE TWO WAY LOW POWER COMMUNICATION DEVICE
011740-03	KR	273	Transportation Electronics Division	10-2001-00184	4/9/2001				LONG RANGE TWO WAY LOW POWER COMMUNICATION DEVICE
011741-00	US	273	Transportation Electronics Division	09/166.061	10/2/1998	6,050,598	4/18/2000		APPARATUS FOR AND METHOD OF MONITORING THE MASS QUANTITY AND DENSITY OF A FLUID IN A CLOSED CONTAINER, AND A VEHICULAR AIR BAG SYSTEM
011741-01	DE	273	Transportation Electronics Division	19945981.2	9/24/1999	19945981	7/18/2002		APPARATUS FOR AND METHOD OF MONITORING THE MASS QUANTITY AND DENSITY OF A FLUID IN A CLOSED CONTAINER, AND A VEHICULAR AIR BAG SYSTEM
011742-00	US	273	Transportation Electronics Division	09/428.083	10/27/1999				AUTOMATIC METER TRANSPONDER SYSTEM
011742-01	EP	273	Transportation Electronics Division	00122237.1	10/27/2000				AUTOMATIC METER TRANSPONDER SYSTEM
011742-02	JP	273	Transportation Electronics Division	2000-326465	10/28/2000				AUTOMATIC METER TRANSPONDER SYSTEM

011743-00	US	273	Transportation Electronics Division	09/784,526	2/15/2001			A WIRELESS UNIVERSAL PERSONAL ACCESS SYSTEM (AMENDED)
011743-01	EP	273	Transportation Electronics Division	02003562.2	2/15/2002			A WIRELESS UNIVERSAL PERSONAL ACCESS SYSTEM
011744-00	US	273	Transportation Electronics Division	09/775,858	2/1/2001			SMART LICENSE TAG SYSTEM
011745-00	US	273	Transportation Electronics Division	09/632,444	8/4/2000			A PASSIVE VOICE-ACTIVATED MICROPHONE AND TRANSCIVER SYSTEM (AMENDED)
011745-01	EP	273	Transportation Electronics Division	01116728.5	7/18/2001			A PASSIVE VOICE-ACTIVATED MICROPHONE AND TRANSCIVER SYSTEM (AMENDED)
011745-02	JP	273	Transportation Electronics Division	2001-236339	8/3/2001			A PASSIVE VOICE-ACTIVATED MICROPHONE AND TRANSCIVER SYSTEM (AMENDED)
011746-00	US	273	Transportation Electronics Division	09/596,670	6/19/2000			LOW POWER DIGITAL REMOTE CONTROL TECHNIQUE
011747-00	US	273	Transportation Electronics Division	09/732,429	12/7/2000	6,420,704	7/16/2002	METHOD AND SYSTEM FOR IMPROVING CAMERA INFRARED SENSITIVITY USING DIGITAL ZOOM
011749-00	US	273	Transportation Electronics Division	09/607,090	6/29/2000			HUMAN PRESENCE DETECTION, IDENTIFICATION AND TRACKING USING A FACIAL FEATURE IMAGE SENSING SYSTEM FOR AIRBAG DEPLOYMENT
011749-01	EP	273	Transportation Electronics Division	01113565.4	6/13/2001			HUMAN PRESENCE DETECTION, IDENTIFICATION AND TRACKING USING A FACIAL FEATURE IMAGE SENSING SYSTEM (AMENDED)
011749-02	JP	273	Transportation Electronics Division	2001-192769	6/26/2001			HUMAN PRESENCE DETECTION, IDENTIFICATION AND TRACKING USING A FACIAL FEATURE IMAGE SENSING SYSTEM (AMENDED)
011749-03	KR	273	Transportation Electronics Division	10-2001-0034	6/18/2001			HUMAN PRESENCE DETECTION, IDENTIFICATION AND TRACKING USING A FACIAL FEATURE IMAGE SENSING SYSTEM FOR AIRBAG DEPLOYMENT (AMENDED)
011750-00	US	273	Transportation Electronics Division	09/621,772	7/21/2000			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SECURITY AND CONVENIENCE
011750-01	WO	273	Transportation Electronics Division	PCT/US01/211	7/10/2001			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SECURITY AND CONVENIENCE
011750-02	EP	273	Transportation Electronics Division	01951015.5	7/10/2001			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SECURITY AND CONVENIENCE
011750-03	JP	273	Transportation Electronics Division	PCT/US01/211	7/10/2001			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SECURITY AND CONVENIENCE
011751-00	US	273	Transportation Electronics Division	09/621,160	7/21/2000			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SAFETY
011751-02	EP	273	Transportation Electronics Division	01952578.1	7/10/2001			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SAFETY
011751-03	JP	273	Transportation Electronics Division	PCT/US01/211	7/10/2001			APPLICATION OF HUMAN FACIAL FEATURES RECOGNITION TO AUTOMOBILE SAFETY
011752-00	US	273	Transportation Electronics Division	09/607,008	6/29/2000			OPTIMIZED HUMAN PRESENCE DETECTION THROUGH ELIMINATION OF BACKGROUND INTERFERENCE (AS AMENDED)
011752-01	EP	273	Transportation Electronics Division	01113620.7	6/15/2001			OPTIMIZED HUMAN PRESENCE DETECTION THROUGH ELIMINATION OF BACKGROUND INTERFERENCE (AS AMENDED)
011752-02	JP	273	Transportation Electronics Division	2001-192772	6/26/2001			OPTIMIZED HUMAN PRESENCE DETECTION THROUGH ELIMINATION OF BACKGROUND INTERFERENCE (AS AMENDED)

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011752-03	KR	273	Transportation Electronics Division	10-2001-0034	6/18/2001				OPTIMIZED HUMAN PRESENCE DETECTION THROUGH ELIMINATION OF BACKGROUND INTERFERENCE (AS AMENDED)
011753-00	US	273	Transportation Electronics Division	09/634,049	8/8/2000				ULTRA LOW POWER SEATBELT MOUNTED WIRELESS MICROPHONE FOR AUTOMOTIVE CONTROL APPLICATIONS
011753-01	EP	273	Transportation Electronics Division	01116729.3	7/18/2001				ULTRA LOW POWER SEATBELT MOUNTED WIRELESS MICROPHONE FOR AUTOMOTIVE CONTROL APPLICATIONS
011753-02	JP	273	Transportation Electronics Division	2001-240674	8/8/2001				ULTRA LOW POWER SEATBELT MOUNTED WIRELESS MICROPHONE FOR AUTOMOTIVE CONTROL APPLICATIONS
011754-00	US	273	Transportation Electronics Division	09/900,324	7/6/2001				TIRE AND SUSPENSION WARNING AND MONITORING SYSTEM
011754-01	EP	273	Transportation Electronics Division	02014873.0	7/4/2002				TIRE AND SUSPENSION WARNING AND MONITORING SYSTEM
011754-02	JP	273	Transportation Electronics Division	2002-198364	7/8/2002				TIRE AND SUSPENSION WARNING AND MONITORING SYSTEM
011755-00	US	273	Transportation Electronics Division	08/295,954	8/25/1994	5,468,013	11/21/1995		Dual Airbag System For Occupant Restraint
011755-01	US	273	Transportation Electronics Division	08/161,711	12/3/1993	5,435,594	7/25/1995		Dual Airbag System For Occupant Restraint