

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4395248

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST IN PATENTS	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
WELLS FARGO CAPITAL FINANCE, LLC (FORMERLY KNOWN AS WELLS FARGO FOOTHILL, LLC)		05/02/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	STANADYNE LLC	
<b>Street Address:</b>	92 DEERFIELD ROAD	
<b>City:</b>	WINDSOR	
<b>State/Country:</b>	CONNECTICUT	
<b>Postal Code:</b>	06095	
<b>PROPERTY NUMBERS Total: 99</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	5035797	
Patent Number:	RE34999	
Patent Number:	RE35101	
Patent Number:	5215060	
Patent Number:	5186829	
Patent Number:	5203994	
Patent Number:	RE34956	
Patent Number:	5236579	
Patent Number:	5271836	
Patent Number:	5312546	
Patent Number:	5484527	
Patent Number:	5413711	
Patent Number:	5688110	
Patent Number:	5766463	
Patent Number:	5988142	
Patent Number:	5980214	
Patent Number:	5947382	
Patent Number:	5890653	
Patent Number:	5938921	
Patent Number:	6024298	

PATENT

Property Type	Number
Patent Number:	6422203
Patent Number:	6261069
Patent Number:	6345609
Patent Number:	6446613
Patent Number:	6439204
Patent Number:	6959878
Patent Number:	6494182
Patent Number:	6805538
Patent Number:	6840229
Patent Number:	6899085
Patent Number:	6899088
Patent Number:	6619186
Patent Number:	6899083
Patent Number:	6606977
Patent Number:	6694950
Patent Number:	7000851
Patent Number:	7089789
Patent Number:	6901844
Patent Number:	6637408
Patent Number:	7249722
Patent Number:	D495341
Patent Number:	7137303
Patent Number:	7134846
Patent Number:	7412896
Patent Number:	7524171
Patent Number:	7360433
Patent Number:	4976852
Patent Number:	5017285
Patent Number:	5084170
Patent Number:	D356852
Application Number:	10071946
Application Number:	12008185
Application Number:	11200325
Application Number:	12008184
Application Number:	12157876
Application Number:	12456063
Application Number:	12317409
Application Number:	12381857

Property Type	Number
Application Number:	12381877
Application Number:	12456060
Patent Number:	8132558
Patent Number:	8495987
Patent Number:	8727752
Application Number:	13792586
Application Number:	13878076
Application Number:	13792622
Application Number:	14084840
Application Number:	14020297
Application Number:	14194955
Application Number:	14358788
Application Number:	61981931
PCT Number:	US9005036
PCT Number:	US9608132
PCT Number:	US9800640
PCT Number:	US9800641
PCT Number:	US9822719
PCT Number:	US9827205
PCT Number:	US9818153
PCT Number:	US9903830
PCT Number:	US9904115
PCT Number:	US9904197
PCT Number:	US9925562
PCT Number:	US9904340
PCT Number:	US0003544
PCT Number:	US2000022513
PCT Number:	US0125211
PCT Number:	US0213205
PCT Number:	US2003033350
PCT Number:	US2003033384
PCT Number:	US2003033467
PCT Number:	US0320663
PCT Number:	US2003033345
PCT Number:	US2005005062
PCT Number:	US2006035231
PCT Number:	US2006034838
PCT Number:	US2006038576

Property Type	Number
PCT Number:	US2008000324
PCT Number:	US2008007379
PCT Number:	US2008014034

#### CORRESPONDENCE DATA

**Fax Number:** (212)593-5955

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

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**ATTORNEY DOCKET NUMBER:** 014951-1702

**NAME OF SUBMITTER:** SCOTT KAREFF (014951-1702)

**SIGNATURE:** /kc for sk/

**DATE SIGNED:** 05/02/2017

#### Total Attachments: 19

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## RELEASE OF SECURITY INTERESTS IN PATENTS

THIS RELEASE OF SECURITY INTERESTS IN PATENTS (this “Release”), dated as of May 2, 2017, is executed by Wells Fargo Capital Finance, LLC (formerly known as Wells Fargo Foothill, LLC), a Delaware limited liability company, in its capacity as administrative agent for the Lender Group and the Bank Product Providers (in such capacity, “Agent”), in favor of STANADYNE LLC, a Delaware limited liability company, as successor in interest to Stanadyne Corporation (as “Grantor”). All capitalized terms used in this Release and not otherwise defined herein, shall have the respective meanings given to such terms in the Patent Security Agreement (as defined below).

### RECITALS

A. WHEREAS, the Grantor has, pursuant to that certain (1) Patent Security Agreement dated August 13, 2009, recorded in the United States Patent and Trademark Office (the “USPTO”) on August 21, 2009 at Reel 023129, Frame 0296 (as amended by the First Amendment (as defined below) and as the same may be further amended, amended and restated, restated, supplemented, modified, or otherwise in effect prior to the date hereof, the “Patent Security Agreement”) and (2) First Amendment to Patent Security Agreement dated August 18, 2014, recorded in the USPTO on August 27, 2014 at Reel 033644, Frame 0782 (the “First Amendment”) granted to Agent (for the benefit of each member of the Lender Group and the Bank Product Providers) a Security Interest in and to all of the Grantor’s right, title and interest in, to and under the Patent Collateral, including without limitation with respect to those patents listed on Exhibit A attached hereto (collectively, the “Released Collateral”); and


B. WHEREAS, Agent, on behalf of each member of the Lender Group and the Bank Product Providers, wishes to release, without representation or warranty, its Security Interest in and to the Released Collateral as provided in this release.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Agent, on behalf of each member of the Lender Group and the Bank Product Providers, hereby releases, without representation or warranty, its Security Interest in and to the Released Collateral and terminates the Patent Security Agreement. Agent acknowledges that this Release may be filed along with any other necessary documentation with the United States Patent and Trademark Office or any other governmental office to evidence the release granted herein at the sole expense of the Grantor. The Agent authorizes the Grantor to record this Release with the United States Patent and Trademark Office and other applicable registry at the sole expense of the Grantor and agrees to provide Grantor with any information and additional authorization necessary to effect the release of the Security Interest in the Released Collateral.

[Signature page follows]

IN WITNESS WHEREOF, Agent has executed this Release of Security Interests in Patents as of the date first set forth above.

**WELLS FARGO CAPITAL FINANCE LLC**  
(formerly known as Wells Fargo Foothill, LLC),  
a Delaware limited liability company,  
as Agent

By:   
Name: Jason Shanahan  
Title: Vice President

[Signature Page to Release Security Interest in Patents]

**Exhibit A**

**U.S. Patent Schedule**

**STANADYNE CORPORATION  
ISSUED PATENTS**

<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
Key System For Filter Assembly	5,035,797	07/30/1991
Hole Type Fuel Injector and Injection Method	Re. 34,999	06/04/1991
Fuel Injector Method and Apparatus	Re. 35,101	01/29/1991
Fuel System for Rotary Distributor Fuel Injection Pump	5,215,060	06/01/1993
Fuel Filter Key System	5,186,829	02/16/1993
Fuel Filter Retention System.	5,203,994	04/20/1993
Distributor Type Fuel Injection Pump	Re. 34,956	06/01/1993
Fuel Filter Assembly with Modular Drain Bowl	5,236,579	08/17/1993
Disposal Plug for Filter Cartridge	5,271,836	12/21/1993
Dry Change Fuel Filter System	5,312,546	05/17/1994
Module for Filter Assembly Base	5,484,527	01/16/1996
Fuel Filter with Internal Vent	5,413,711	05/09/1995
Reciprocating Fuel Pump with Intermittent Transfer Pump	5,688,110	11/18/1997
Fuel Filter Cartridge	5,766,463	06/16/1998
Duration Control of Common Rail Fuel Injector	5,988,142	11/23/1999
Fluid Pump with Split Plungers	5,980,214	11/09/1999
Servo Controlled Common Rail Injector	5,947,382	09/07/1999
Sensing and Control Methods and Apparatus for Common...	5,890,653	04/06/1999
Water Baffle for Filter Cartridge	5,938,921	08/17/1999
Servo Controlled Common Rail Injector	6,024,298	02/15/2000
Variable Output Pump for Gasoline Direct Injection	6,422,203	07/23/2002
Shaft Seal with Pressure Equalizing Shuttle	6,261,069	07/17/2001

DB1/ 91876808.4

<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
Supply Pump for Gasoline Common Rail	6,345,609	02/12/2002
Two-Stage Pressure Limiting Valve	6,446,613	09/10/2002
Timing Advance Piston for Unit Pump or Unit Injector...	6,439,204	08/27/2002
Compact Fuel Injection Nozzle	6,959,878	11/01/2005
Self-Regulating Gasoline Direct Injection System	6,494,182	12/17/2002
Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	6,805,538	10/19/2004
Magnetically Coupled Fuel Injector Pump	6,840,229	01/11/2005
Self-Regulating Switch for Split Rail Gasoline Fuel Supply System	6,899,085	05/31/2005
Flow Intensifier for Cold Starting Gasoline Direct Injection Engine	6,899,088	05/31/2005
Servo Controlled Timing Advance for Unit Pump or Unit Injector	6,619,186	09/16/2003
Hybrid Demand Control for Hydraulic Pump	6,899,083	05/31/2005
Fluid Delivery Line Geometry Optimization	6,606,977	08/19/2003
Hybrid Control Method for Fuel Pump Using. Intermittent Recirculation at Low and High Engine Speeds	6,694,950	02/24/2004
Integrated Injection Line and Injection Nozzle	7,000,851	02/21/2006
System for Calibrating an Integrated Injection Nozzle and Injection Pump	7,089,789	08/15/2006
Guided Shoe for Radial Piston Pump	6,901,844	06/07/2005
Common Rail Fuel Supply System with High Pressure Accumulator	6,637,408	10/28/2003
Fuel Injector with Hydraulic Flow Control	7,249,722	07/31/2007
Combined Integrated Injection Line and Injection Nozzle	D495,341	08/31/2004
Filter Change Indicator	7,137,303	11/21/2006
Radial Piston Pump with Eccentrically Driven Rolling Actuation Ring	7,134,846	11/14/2006



<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
Filter Change Indicator	7,412,896	08/19/2008
Radial Piston Fuel Supply Pump	7,524,171	04/28/2009
Filter Change Indicator	7,360,433	04/22/2008

STANADYNE CORPORATION  
INACTIVE PATENTS

<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
Fuel Filter	4,976,852	12/11/1990
Fuel Filter and Cartridge Assembly	5,017,285	05/21/1991
Fuel Filter	5,084,170	01/28/1992
Fuel Filter Cartridge	Des. 356,852	03/28/1995

STANADYNE CORPORATION  
INACTIVE APPLICATIONS

<b>Title</b>	<b>Patent Application No.</b>	<b>Filed</b>
Drive Shaft Seal for Gasoline Direct Injection Pump	10/071,946	05/05/2002
Inlet Pressure Attenuator for Single Plunger Fuel Pump	12/008,185	01/09/2008

STANADYNE CORPORATION  
PENDING PATENTS

<b>Title</b>	<b>Application No.</b>	<b>Filing Date</b>
Drain Valve Alignment System for Filter Assembly	11/200,325	08/09/2005
Load Ring Mounting of Pumping Plunger	12/008,184	01/09/2008
Filter Assembly Center Tube with Upstream Diverter	12/157,876	06/13/2008
Injector Having Swirl Structure Downstream of Valve Seat	12/456,063	06/11/2009
Filter Assembly	12/317,409	12/23/2008
Radial Piston Fuel Supply Pump	12/381,857	03/17/2009

<b>Title</b>	<b>Application No.</b>	<b>Filing Date</b>
Radial Piston Fuel Supply Pump	12/381,877	03/17/2009
Integrated Pump and Injector for Exhaust After Treatment	12/456,060	06/11/2009

<b>Name of Grantor</b>	<b>Patent Description</b>	<b>Patent Registration Number of Application Number</b>	<b>Issue/Application Date</b>
Stanadyne LLC	Common Rail Fuel Pump With Combined Discharge and Overpressure Relief Valves	App. No. 12592673 Reg. No. 8132558	13-Mar-2012
Stanadyne LLC	Single Piston Pump With Dual Return Springs	App. No. 12802617 Reg. No. 8495987	30-Jul-2013
Stanadyne LLC	Three Element Diaphragm Damper for Fuel Pump	App. No. 12924849 Reg. No. 8727752	20-May-2014
Stanadyne LLC	Common Rail Injector With Regulated Pressure	13/792,586	11-Mar-2013
Stanadyne LLC	Chamber Three Element Diaphragm Damper for Fuel Pump	13/878,076	05-Apr-2013
Stanadyne LLC	Anti-Cavitation Throttle for Injector Control Valve	13/792,622	11-Mar-2013
Stanadyne LLC	Debris Diverter Shield for Fuel Injector	14/084,840	20-Nov-2013
Stanadyne LLC	Injector Having Swirl Structure Downstream of Valve Seat	14/020,297	06-Sep-2013
Stanadyne LLC	Electronically Controlled Inlet Metered Single Piston Fuel Pump	14/194,955	03-Mar-2014
Stanadyne LLC	Auxiliary Pressure Relief Valve in Single Piston Fuel Pump	14/358,788	16-May-2014
Stanadyne LLC	Pressure Relief Valve for Single Plunger Fuel Pump	61/981,931	21-Apr-2014

Foreign Patent Schedule

STANADYNE CORPORATION  
ISSUED PATENTS

Country	Title	Patent No.	Issue Date
European Patent Convention	Fuel Filter	0 405 447	08/23/1995
European Patent Convention	Key System For Filter Assembly	0 442 365	12/07/1994
European Patent Convention	Fuel Injector Method and Apparatus	0 449 763	10/12/1994
European Patent Convention	Fuel System for Rotary Distributor Fuel Injection Pump	0 524 132	09/23/1998
European Patent Convention	Canister Type Fuel Filter	0 593 434	03/19/1997
European Patent Convention	Fuel Filter Key System	0 532 161	09/25/1996
European Patent Convention	Dry Change Fuel Filter System	0 529 782	12/11/1996
European Patent Convention	Fuel Filter Retention System	0 528 528	01/02/1997
European Patent Convention	Distributor Type Fuel Injection Pump	0 548 000	04/26/2000
European Patent Convention	Fuel Filter Assembly with Modular Drain Bowl	0 529 286	11/29/1996
European Patent Convention	Fuel Filter with Internal Vent	0 575 196	09/09/1998
European Patent Convention	Disposal Plug for Filter Cartridge	0 583 149	06/18/1997
European Patent Convention	Fuel Filter with Spring-Loaded Retention System	0 607 563	04/01/1998
European Patent Convention	Fuel Filter with Internal Vent	0 662 337	08/27/1997

Country	Title	Patent No.	Issue Date
European Patent Convention	Fuel Injection Pump with Auxiliary Control System	0 717 187	06/07/2000
European Patent Convention	Fuel Filter Master Module with Optional Diverter...	0 658 362	11/25/1998
European Patent Convention	Reciprocating Fuel Pump With Intermittent Transfer Pump	0 775 259	11/15/2000
European Patent Convention	Base/Cartridge Location and Key System for Fuel...	0 826 406	04/23/2003
European Patent Convention	Duration Control of Common Rail Fuel Injector	1 042 603	04/09/2003
European Patent Convention	Filter Assembly with Conformal Cartridge Support..	0 826 407	03/21/2001
European Patent Convention	Servo Controlled Common Rail Injector	0 892 171	03/12/2003
European Patent Convention	Cartridge Filter Assembly with Hand Primer	0 890 385	03/31/2004
European Patent Convention	Supply Pump for Gasoline Common Rail	0 979 353	09/29/2004
European Patent Convention	Variable Output Pump for Gasoline Direct Injection	1 153 215	05/14/2008
European Patent Convention	Timing Advance Piston for a Fuel Injection Pump	1 218 635	10/08/2008
European Patent Convention	Compact Fuel Injection Nozzle	1 234 113	10/05/2005
European Patent Convention	Hybrid Control Method for Fuel Pump Using...	1 427 935	03/02/2005
European. Patent Convention	System for Calibrating an Integrated Injection Nozzle and Injection Pump	1 488 092	12/03/2008
European Patent Convention	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
France	Disposable Liquid Filter Cartridge	69401	09/29/1971
France	Key System For Filter Assembly	0 442 365	12/07/1994
France	Canister Type Fuel Filter	0 593 434	03/19/1997

Country	Title	Patent No.	Issue Date
France	Fuel Filter Key System	0 532 161	09/25/1996
France	Fuel Filter Retention System	0 528 528	01/02/1997
France	Module for Filter Assembly Base	0 657 201	09/17/1997
France	Single Stage Fuel Filter with Seal Control Air Purge	0 657 198	09/03/1997
France	Duration Control of Common Rail Fuel Injector	1 042 603	04/09/2003
France	Servo Controlled Common Rail Injector	0 892 171	03/12/2003
France	Reverse Flow Filter Cartridge and Method of Filtering...	0 889 229	01/16/2002
France	Fuel Filter with Cold Start Circuit	0 887 542	08/22/2001
France	Fuel Filter System With Water Bleed and Water Trap	1 144 074	07/09/2003
France	Variable Output Pump for Gasoline Direct Injection	1 153 215	05/14/2008
France	Filter Cartridge With Spring	1 070 529	06/28/2006
France	Oil Filter Cartridge	1 070 530	05/06/2004
France	Filter Cartridge	601 731-601 754	11/24/2000
France	Timing Advance Piston for Unit Pump or Unit Injector	1 218 635	10/08/2008
France	Compact Fuel Injection Nozzle	1 234 113	10/05/2005
France	Key System for Ecological Filter Cartridge and Element	1 126 159	11/08/2006
France	Ecological Fuel Filter Cartridge and Assembly	1 125 621	10/04/2006
France	Hybrid Control Method for Fuel Pump Using...	1 427 935	03/02/2005
France	Keyed Connection Between Filter Base and Filter Cartridge	1 558 356	03/18/2009

Country	Title	Patent No.	Issue Date
France	System for Calibrating an Integrated Injection Nozzle and Injection Pump	1 488 092	12/03/2008
France	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
Germany	Key System For Filter Assembly	691 05 539.4	12/07/1994
Germany	Canister Type Fuel Filter	690 30 270.3	03/19/1997
Germany	Fuel Filter Key System	692 14 073.5	09/25/1996
Germany	Fuel Filter Retention System	692 16 322.0	01/02/1997
Germany	Module for Filter Assembly Base	694 05 693.6	09/17/1997
Germany	Single Stage Fuel Filter with Seal Control Air Purge	694 05 358.9	09/03/1997
Germany	Base/Cartridge Location and Key System for Fuel...	697 21 154.1	04/23/2003
Germany	Duration Control of Common Rail Fuel Injector	698 13 300.5	04/09/2003
Germany	Servo Controlled Common Rail Injector	698 12 001.9	03/12/2003
Germany	Reverse Flow Filter Cartridge and Method of Filtering...	698 03 146.6	01/16/2002
Germany	Fuel Filter with Cold Start Circuit	0 887 542	08/22/2001
Germany	Fuel Filter System With Water Bleed and Water Trap	1 144 074	07/09/2003
Germany	Variable Output Pump for Gasoline Direct Injection	1 153 215	05/14/2008
Germany	Filter Cartridge With Spring	699 32 156.5	06/28/2006
Germany	Oil Filter Cartridge	699 17 016.8	05/06/2004
Germany	Timing Advance Piston for Unit Pump or Unit Injector	1 218 635	10/08/2008
Germany	Compact Fuel Injection Nozzle	600 23 026.0-08	10/05/2005

Country	Title	Patent No.	Issue Date
Germany	Key System for Ecological Filter Cartridge and Element	1 126 159	11/08/2006
Germany	Ecological Fuel Filter Cartridge and Assembly	601 23 499.5-08	10/04/2006
Germany	Hybrid Control Method for Fuel Pump Using...	1 427 935	03/02/2005
Germany	Keyed Connection Between Filter Base and Filter Cartridge	1 558 356	03/18/2009
Germany	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
Spain	Key System For Filter Assembly	0 442 365	12/07/1994
Spain	Canister Type Fuel Filter	2 100 175	03/19/1997
Spain	Fuel Filter Key System	2 092 048	09/25/1996
Spain	Fuel Filter Retention System	0 528 528	01/02/1997
Spain	Module for Filter Assembly Base	0 657 201	09/17/1997
Spain	Single Stage Fuel Filter with Seal Control Air Purge	0 657 198	09/03/1997
Spain	Base/Cartridge Location and Key System for Fuel...	0 826 406	04/23/2003
Spain	Reverse Flow Filter Cartridge and Method of Filtering...	0 889 229	01/16/2002
Spain	Fuel Filter with Cold Start Circuit	0 887 542	08/22/2001
Spain	Fuel Filter System With Water Bleed and Water Trap	1 144 074	07/09/2003
Spain	Filter Cartridge With Spring	1 070 529	06/28/2006
Spain	Oil Filter Cartridge	1 070 530	05/06/2004
Spain	Key System for Ecological Filter Cartridge and Element	1 126 159	11/08/2006
Spain	Ecological Fuel Filter Cartridge and Assembly	1 125 621	10/04/2006

Country	Title	Patent No.	Issue Date
Spain	Keyed Connection Between Filter Base and Filter Cartridge	1 558 356	03/18/2009
Spain	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
United Kingdom	Key System For Filter Assembly	0 442 365	12/07/1994
United Kingdom	Canister Type Fuel Filter	0 593 434	03/19/1997
United Kingdom	Fuel Filter Key System	0 532 161	09/25/1996
United Kingdom	Fuel Filter Retention System	0 528 528	01/02/1997
United Kingdom	Module for Filter Assembly Base	0 657 201	09/17/1997
United Kingdom	Single Stage Fuel Filter with Seal Control Air Purge	0 657 198	09/03/1997
United Kingdom	Base/Cartridge Location and Key System for Fuel...	0 826 406	04/23/2003
United Kingdom	Duration Control of Common Rail Fuel Injector	1 042 603	04/09/2003
United Kingdom	Servo Controlled Common Rail Injector	0 892 171	03/12/2003
United Kingdom	Reverse Flow Filter Cartridge and Method of Filtering...	0 889 229	01/16/2002
United Kingdom	Fuel Filter with Cold Start Circuit	0 887 542	08/22/2001
United Kingdom	Fuel Filter System With Water Bleed and Water Trap	1 144 074	07/09/2003
United Kingdom	Variable Output Pump for Gasoline Direct Injection	1 153 215	05/14/2008
United Kingdom	Filter Cartridge With Spring	1 070 529	06/28/2006
United Kingdom	Oil Filter Cartridge	1 070 530	05/06/2004
United Kingdom	Timing Advance Piston for Unit Pump or Unit Injector	1 218 635	10/08/2008
United Kingdom	Key System for Ecological Filter Cartridge and Element	1 126 159	11/08/2006



Country	Title	Patent No.	Issue Date
United Kingdom	Ecological Fuel Filter Cartridge and Assembly	1 125 621	10/04/2006
United Kingdom	Servo Controlled Timing Advance for Unit Pump or Unit Injector	GB2370885	08/11/2004
United Kingdom	Hybrid Control Method for Fuel Pump Using...	1 427 935	03/02/2005
United Kingdom	Keyed Connection Between Filter Base and Filter Cartridge	1 558 356	03/18/2009
United Kingdom	System for Calibrating an Integrated Injection Nozzle and Injection Pump	1 488 092	12/03/2008
United Kingdom	Radial Piston Pump With Eccentrically Driven Rolling Actuation Ring	2414523	05/06/2009
United Kingdom	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
Italy	Key System For Filter Assembly	0 442 365	12/07/1994
Italy	Canister Type Fuel Filter	0 593 434	03/19/1997
Italy	Fuel Filter Key System	0 532 161	09/25/1996
Italy	Fuel Filter Retention System	0 528 528	01/02/1997
Italy	Module for Filter Assembly Base	0 657 201	09/17/1997
Italy	Single Stage Fuel Filter with Seal Control Air Purge	0 657 198	09/03/1997
Italy	Base/Cartridge Location and Key System for Fuel...	0 826 406	04/23/2003
Italy	Reverse Flow Filter Cartridge and Method of Filtering...	0 889 229	01/16/2002
Italy	Fuel Filter with Cold Start Circuit	0 887 542	08/22/2001
Italy	Fuel Filter System With Water Bleed and Water Trap	1144 074	07/09/2003
Italy	Filter Cartridge With Spring	1 070 529	06/28/2006
Italy	Oil Filter Cartridge	1 070 530	05/06/2004

DB1/ 91876808.4

Country	Title	Patent No.	Issue Date
Italy	Key System for Ecological Filter Cartridge and Element	1 126 159	11/08/2006
Italy	Ecological Fuel Filter Cartridge and Assembly	1 125 621	10/04/2006
Italy	Hybrid Control Method for Fuel Pump Using...	1 427 935	03/02/2005
Italy	Keyed Connection Between Filter Base and Filter Cartridge	1 558 356	03/18/2009
Italy	System for Calibrating an Integrated Injection Nozzle and Injection Pump	1 488 092	12/03/2008
Italy	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	1 309 787	05/27/2009
Japan	Key System For Filter Assembly	3072436	06/02/2000
Japan	Canister Type Fuel Filter	3119484	10/13/2000
Japan	Fuel Filter Key System	3369601	11/15/2002
Japan	Fuel Filter Retention System	3337146	08/09/2002
Japan	Fuel Filter Assembly with Modular Drain Bowl	3358739	10/11/2002
Japan	Fuel Filter with Internal Vent	3373597	11/22/2002
Japan	Fuel Filter with Internal Vent	3719730	09/16/2005
Japan	Single Stage Fuel Filter with Seal Control Air Purge	3596685	09/17/2004
Japan	Supply Pump for Gasoline Common Rail	4284429	04/03/2009
Republic of Korea	Key System For Filter Assembly	176251	11/13/1998
Republic of Korea	Canister Type Fuel Filter	157996	08/03/1998
India	Calibration System for Electrically Controlled Fuel....	188467	07/04/2003
India	Timing Advance Piston for a Fuel Injection Pump	207754	06/22/2007

Country	Title	Patent No.	Issue Date
India	Compact Fuel Injection Nozzle	205150	03/15/2007
India	An Actuator Having a Variable Length	204634	02/28/2007
India	Two Stage Pressure-Limited Valve	234718	06/12/2009
People's Republic of China	Fuel Injection Pump with Auxiliary Control System	ZL 95 1 20240.5	11/11/2000
People's Republic of China	Servo Controlled Timing Advance for Unit Pump or Unit Injector	ZL 01 1 37894.8	12/20/2006
Mexico	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	238743	07/17/2006
Mexico	Fluid Delivery Line Geometry Optimization	239828	08/29/2006

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Country	Title	Patent No.	Issue Date
European Patent Convention	Externally Controlled Fuel Delivery Curve Adjustment...	0 064 121	04/17/1985
European Patent Convention	Fuel Injection System Snubber Valve Assembly	0 016 718	05/18/1983
European Patent Convention	Cold Temperature Advance Mechanism	0 022 051	10/26/1983
European Patent Convention	Fuel Injection Pump	0 023 467	07/27/1983
European Patent Convention	Rotary Fuel Injection Pump	0 035 465	09/12/1984
European Patent Convention	Fuel Injection Pump with Plunger Stroke Control	0 118 385	11/25/1987
European Patent Convention	Accumulator Injector	0 195 736	05/17/1989
European Patent Convention	Method And Apparatus For Regulating Fuel Injection...	0 244 340	07/29/1992

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<b>Country</b>	<b>Title</b>	<b>Patent No.</b>	<b>Issue Date</b>
European Patent Convention	Fuel Injection Nozzle Assembly and Method	0 296 094	12/02/1992
European Patent Convention	Electronic Unit Injector	0 315 564	03/18/1992
European Patent Convention	Back-To-Back Fuel Filter And Water Separator	0 362 114	08/26/1992
European Patent Convention	Spray Nozzle Assembly for Piston Cooling	0 346 264	12/02/1992

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<b>Country</b>	<b>Title</b>	<b>Application No.</b>	<b>Filing Date</b>
PCT	Canister Type Fuel Filter	PCT/US90/05036	09/06/1990
PCT	Reciprocating Fuel Pump with Intermittent Transfer Pump	PCT/US96/08132	05/31/1996
PCT	Hydraulic Pressure Supply Pump With Multiple...	PCT/US98/00640	01/15/1998
PCT	Hydraulic Pump with Engine Mounted Drive Bearing	PCT/US1998/00641	01/15/1998
PCT	Hydraulic Pressure Supply Pump with Simultaneous...	PCT/US1998/22719	10/27/1998
PCT	Duration Control of Common Rail Fuel Injector	PCT/US98/27205	12/21/1998
PCT	Fluid Pump with Split Plungers	PCT/US98/18153	09/02/1998
PCT	Supply Pump for Gasoline Common Rail	PCT/US99/03830	02/23/1999
PCT	High Capacity Supply Pump with Simultaneous Directly...	PCT/US1999/04115	02/25/1999
PCT	Rotary Pump Control Responsive to Cam Reaction Forces	PCT/US1999/04197	02/25/1999
PCT	Fuel Filter System with Water Bleed and Water Trap	PCT/US99/25562	10/29/1999

Country	Title	Application No.	Filing Date
PCT	Fuel Supply Pump with Dynamic Plunger Return	PCT/US1999/04340	02/26/1999
PCT	Variable Output Pump for Gasoline Direct Injection	PCT/US2000/04096	02/17/2000
PCT	Snap-In Connection for Pumping Plunger Sliding Shoes	PCT/US00/03544	02/11/2000
PCT	Timing Advance Piston for Unit Pump or Unit Injector	PCT/US2000/022513	08/16/2000
PCT	Compact Fuel Injection Nozzle	PCT/US2000/31537	11/17/2000
PCT	Self-Regulating Gasoline Direct Injection System	PCT/US2001/25211	08/13/2001
PCT	Fuel Tank Mounted, Motorized High Pressure Gasoline Pump	PCT/US2001/25212	08/13/2001
PCT	Magnetically Coupled Fuel Injector Pump	PCT/US2001/25213	08/13/2001
PCT	Self-Regulating Switch for Split Rail Gasoline Fuel Supply System	PCT/US2001/25216	08/13/2001
PCT	Flow Intensifier for Cold Starting Gasoline Direct Injection Engine	PCT/US2001/25214	08/13/2001
PCT	Dual Port Unit Pump, Injector, and Engine Efficiency Methods	PCT/US2002/13205	04/26/2002
PCT	Hybrid Demand Control for Hydraulic Pump	PCT/US2002/28685	09/10/2002
PCT	Keyed Connection Between Filter Base and Filter Cartridge	PCT/US2003/033350	10/21/2003
PCT	Filter Cartridge incorporating a Peripheral Compatibility Matrix	PCT/US2003/033384	10/21/2003
PCT	Base Receptacle for Filter Cartridge Incorporating a Peripheral Compatibility Matrix	PCT/US2003/033467	10/21/2003
PCT	Integrated Injection Line and Injection Nozzle	PCT/US2003/08572	03/19/2003
PCT	System for Calibrating an Integrated Injection Nozzle and Injection Pump	PCT/US2003/08550	03/19/2003

Country	Title	Application No.	Filing Date
PCT	Guided Shoe for Radial Piston Pump	PCT/US2003/20663	07/01/2003
PCT	Eccentric Interference Retention System for a Filter Cartridge	PCT/US2003/033345	10/21/2003
PCT	Drain Valve Insert	PCT/US2005/005062	02/17/2005
PCT	Liquid Visual Display	PCT/U S2006/035231	09/08/2006
PCT	Filter Change Indicator	PCT/US2006/034838	09/08/2006
PCT	Water Separation and Filtration Structure	PCT/US2006/038576	09/29/2006
PCT	Load Ring Mounting of Pumping Plunger	PCT/US2008/000324	01/09/2008
PCT	Filter Assembly Center Tube With Upstream Diverter	PCT/US2008/007379	06/13/2008
PCT	Filter Assembly	PCT/U S2008/014034	12/23/2008
European Patent Convention	Hybrid Demand Control for Hydraulic Pump	02770488.1	09/10/2002
European Patent Convention	Filter Cartridge Incorporating a Peripheral Compatibility Matrix	03773304.5	10/21/2003
European Patent Convention	Base Receptacle for Filter Cartridge Incorporating a Corresponding Keyed Peripheral Matrix	03777781.0	10/21/2003
European Patent Convention	Guided Shoe for Radial Piston Pump	03742355.5	07/01/2003
European Patent Convention	Eccentric Interference Retention System for a Filter Cartridge	03777750.5	10/21/2003
Brazil	Variable Output Pump for Gasoline Direct Injection	P1 0008300-3	02/17/2000
France	Radial Piston Pump with Eccentrically Driven Rolling Actuation Ring	0505381	05/27/2005
Germany	Self-Regulating Switch for Split Rail Gasoline Fuel Supply System	101 96 507.9	08/13/2001

Country	Title	Application No.	Filing Date
Germany	Flow Intensifier for Cold Starting Gasoline Direct Injection Engine	101 96 642.3	08/13/2001
Germany	Servo-Controlled Timing Advance for Unit Pump or Unit Injector	101 54 764.1	11/09/2001
Germany	Radial Piston Pump with Eccentrically Driven Rolling Actuation Ring	10 2005 024 059	05/25/2005
India	Load Ring Mounting of Pumping Plunger	4125/CHENP/2009	07/14/2009
India	Filter System Base Module With Self-Locking Cartridge...	2131/DEL/2006	09/27/2006
India	Keyed Connection Between Filter Base and Filter Cartridge	1539/DELNP/2005	10/21/2003
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Japan	Shaft Seal with Pressure Equalizing Shuttle	2000-230375	07/31/2000
Japan	Direct Injection Fuel Delivery System for Motor Vehicle, Split Rail Fuel Injector Assembly for Motor Vehicle, Common Rail Fuel Injector Assembly for Motor Vehicle, Fuel Supply System for a Plurality of Fuel Injection Nozzles in Vehicle Engine, and...	2002-519793	08/13/2001
Japan	Common Rail Fuel Injection System for Motor Vehicle	2002-519795	08/13/2001
Japan	Common Rail Gasoline Fuel Injection System	2002-519794	08/13/2001
United Kingdom	Radial Piston Pump with Eccentrically Driven Rolling Actuation Ring	0902482.9	05/23/2005
United Kingdom	Radial Piston Pump with Eccentrically Driven Rolling Actuation Ring	0902483.7	05/23/2005