

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7256103

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the PRIOR ERRONEOUS RECORDATION OF PATENTS previously recorded on Reel 057499 Frame 0827. Assignor(s) hereby confirms the ASSIGNMENT.	
CONVEYING PARTY DATA		
Name		Execution Date
CONTINENTAL AUTOMOTIVE SYSTEMS, INC.		08/10/2021
RECEIVING PARTY DATA		
Name:	VITESCO TECHNOLOGIES USA, LLC	
Street Address:	2400 EXECUTIVE HILLS BLVD	
City:	AUBURN HILLS	
State/Country:	MICHIGAN	
Postal Code:	48326	
PROPERTY NUMBERS Total: 33		
Property Type	Number	
Patent Number:	10642628	
Application Number:	11689088	
Application Number:	11689036	
Application Number:	11708993	
Application Number:	11652754	
Application Number:	11414429	
Application Number:	11352749	
Application Number:	11352712	
Application Number:	12007306	
Application Number:	11984920	
Application Number:	11808511	
Application Number:	11802209	
Application Number:	11755820	
Application Number:	11472486	
Application Number:	11970721	
Application Number:	11947272	
Application Number:	12843903	
Application Number:	10253467	
Application Number:	11195057	

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Property Type	Number
Application Number:	12035660
Application Number:	12219881
Application Number:	11500164
Application Number:	11195151
Application Number:	12843902
Application Number:	11256312
Application Number:	11168176
Application Number:	11895476
Application Number:	11284249
Application Number:	11291623
Application Number:	11269081
Application Number:	11453543
Application Number:	11270124
Application Number:	11453628

CORRESPONDENCE DATA

Fax Number:

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.

Email: michelle.heike@vitesco.com

Correspondent Name: VITESCO TECHNOLOGIES USA, LLC

Address Line 1: 2400 EXECUTIVE HILLS BLVD.

Address Line 4: AUBURN HILLS, MICHIGAN 48326

ATTORNEY DOCKET NUMBER: CORRECTIVE ASSIGNMENT

NAME OF SUBMITTER: MICHELLE E. HEIKE

SIGNATURE: /Michelle E. Heike/

DATE SIGNED: 03/31/2022

Total Attachments: 26

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6915250

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
CONTINENTAL AUTOMOTIVE SYSTEMS, INC.		08/10/2021
RECEIVING PARTY DATA		
Name:	VITESCO TECHNOLOGIES USA, LLC	
Street Address:	2400 EXECUTIVE HILLS BLVD	
City:	AUBURN HILLS	
State/Country:	MICHIGAN	
Postal Code:	48326	
PROPERTY NUMBERS Total: 96		
Property Type	Number	
Patent Number:	107079005	
Patent Number:	10360832	
Patent Number:	10449824	
Patent Number:	10345872	
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Property Type	Number
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Property Type	Number
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Patent Number:	10112768
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Application Number:	11689088
Application Number:	11689036
Application Number:	11708993
Application Number:	11652754
Application Number:	11414429
Application Number:	11352749
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CORRESPONDENCE DATA**Fax Number:**

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.

Email: michelle.heike@vitesco.com**Correspondent Name:** VITESCO TECHNOLOGIES USA, LLC**Address Line 1:** 2400 EXECUTIVE HILLS BLVD**Address Line 4:** AUBURN HILLS, MICHIGAN 48326

NAME OF SUBMITTER:	MICHELLE E. HEIKE
SIGNATURE:	/Michelle E. Heike/
DATE SIGNED:	09/14/2021

Total Attachments: 7

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PATENT ASSIGNMENT

WHEREAS, Continental Automotive Systems, Inc., ("Assignor"), a corporation, organized and existing under the laws of Delaware and having its principal place of business in Auburn Hills, Michigan, USA, is the owner of the patent applications listed in Schedule "A" attached hereto (collectively, the "Patent Applications") and the inventions and improvements ("Inventions") described therein; and

WHEREAS, Vitesco Technologies USA, LLC ("Assignee"), a limited liability company, organized and existing under the laws of Delaware and having its principal place of business in Auburn Hills, Michigan, USA, is desirous of acquiring from Assignor its whole right, title and interest in and to the Patent Applications and the Inventions described therein;

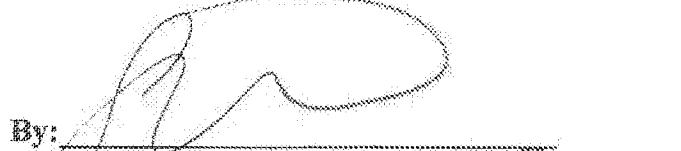
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties hereto, Assignor hereby sells, assigns and transfers, unto Assignee and its successors, assigns, and legal representatives, the exclusive right, title and interest in and for the United States, in and to any Inventions disclosed in the Patent Applications, and in and to said Patent Applications and all divisional, continuation, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said Inventions; and in and to all original and reissued patents which shall be issued in the United States on said Inventions; and hereby authorizes and requests the Commissioner of Patents of the United States to issue Letters Patent upon the Patent Applications, division, extension, continuation or reissue, to Assignee, for the sole use and benefit of Assignee, its successors, assigns and legal representatives, to the full end of the term for which any Letters Patent may be granted, the same as they would have been held and enjoyed by Assignor had this assignment not been made.

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its respective duly authorized representative as of *April* 2021.

Continental Automotive Systems, Inc.

By: 
 Name: *Mary M. Vellieres*
 Title: *Assistant Secretary*

Vitesco Technologies USA, LLC

By: 
 Name: *Sheila M. M. Schiffman*
 Title: *Secretary*

Schedule A

No.	Internal file number	Title	Filing date	Application number	Grant date	Grant number	Applicant
1	2007P10160 US01	DIESEL DOSING SYSTEM RELIEF OF TRAPPED VOLUME FLUID PRESSURE AT SHUTDOWN	17.04.2008	12/081,537	25.05.2010	US7721533	Continental Automotive Systems, Inc.
2	2007P05491 US	Method for Determining RMS Values for Grid-Linked Converters	09.03.2004	10/797,905	04.07.2006	US7071759	Continental Automotive Systems, Inc.
3	2007P05420 US	Integrated Traction Inverter Module And DC/DC Converter	07.02.2003	10/360,832	14.03.2006	US7012822	Continental Automotive Systems, Inc.
4	2007P05417 US	Method and Apparatus for Motor Control	30.05.2003	10/449,824	30.08.2005	US6938991	Continental Automotive Systems, Inc.
5	2007P05414 US	Overmodulation Systems and Methods for Induction Motor Control	15.01.2003	10/345,872	18.01.2005	US6844701	Continental Automotive Systems, Inc.
6	2007P05404 US	Device and Method of Commutation Control for an Isolated Boost Converter	15.01.2003	10/345,894	30.08.2005	US6937483	Continental Automotive Systems, Inc.
7	2007P05383 US	System and Method for Induction Motor Control	13.11.2001	10/010,307	16.03.2004	US6707270	Continental Automotive Systems, Inc.
8	2007P05168 US	System and Method for Controlling Torque in an Electrical Machine	29.11.2001	09/683,176	15.10.2002	US6465977	Continental Automotive Systems, Inc.
9	2007P04710 US	Method, Apparatus and Article for Motor Control Voltage Dropout Detection	30.07.2004	10/903,918	01.08.2006	US7084588	Continental Automotive Systems, Inc.
10	2007P04594 US	Apparatus, System, and method for AC BUS Loss Detection and AC BUS Disconnection for Electric Vehicles Having a House Keeping Power Supply	22.12.2005	11/317,658	10.11.2009	US7616460	Continental Automotive Systems, Inc.
11	2007P04591 US	System and Method of Over Voltage Control for a Power System	27.10.2005	11/262,519	06.07.2010	US7750501	Continental Automotive Systems, Inc.
12	2007P04480 US	System and Method for Commonly Controlling Power Converters	18.11.2005	11/282,301	25.11.2008	US7456602	Continental Automotive Systems, Inc.
13	2007P04202 US	Interleaved Power Converter	04.06.2004	10/361,319	13.11.2007	US7295448	Continental Automotive Systems, Inc.
14	2007P04115 US	Integration of Planar Transformer And/or Planar Inductor with Power Switches in Power Converter	12.10.2004	10/364,000	30.10.2007	US7289329	Continental Automotive Systems, Inc.
15	2007P04025 US01	Unique Mounting System for Bead-Mounted Automotive ABS (Anti-Lock Brake) Sensor	22.02.2008	12/035,660	29.11.2011	US8065790	Continental Automotive Systems, Inc.

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16	2007P03915 US	System and Method for Induction Motor Control	29.11.2001	09/683,180	07.10.2003	US6630809	Continental Automotive Systems, Inc.
17	2007P03907 US	Series Regenerative Braking Torque Control Systems and Methods	28.11.2001	09/683,171	14.10.2003	US6631960	Continental Automotive Systems, Inc.
18	2007P03896 US	Ride Through in Electronic Power Converters	06.08.2003	10/637,754	31.05.2005	US6900643	Continental Automotive Systems, Inc.
19	2007P03885 US	Power Generation System Suitable for Hybrid Electric Vehicles	20.06.2006	11/472,486	06.04.2010	US7690456	Continental Automotive Systems, Inc.
20	2007P03795 US01	DC/DC Converter	08.01.2008	11/970,721	21.09.2010	US7800921	Continental Automotive Systems, Inc.
21	2007P03786 US01	Operating and Controlling Insulated Gate Bipolar Transistors in High Speed Failure Mode Situations	29.11.2007	11/947,272	19.07.2011	US7993013	Continental Automotive Systems, Inc.
22	2007P03613 US	Circuit Configuration for Permanent Magnet Synchronous Motor Control	16.01.2003	10/346,724	17.05.2005	US6894450	Continental Automotive Systems, Inc.
23	2007P03612 US	Method and System for Non-Invasive Power Transistor Die Voltage measurement	03.12.2002	10/309,793	01.03.2005	US6861835	Continental Automotive Systems, Inc.
24	2007P01155 US01	Friction Spring for Leak Detection Poppet	09.01.2008	12/007,306	05.07.2011	US7971853	Continental Automotive Systems, Inc.
25	2006P25275 US01	IDLE AIR CONTROL VALVE BEARING IMPROVEMENT	26.11.2007	11/984,920	08.03.2011	US7900888	Continental Automotive Systems, Inc.
26	2006P23933 US01	Laser Welded Automotive Diesel Exhaust HC Dosing Valve	11.06.2007	11/808,511	06.10.2015	US9151201	Continental Automotive Systems, Inc.
27	2006P12618 US01	Automotive Diesel Exhaust Water Cooled HC Dosing	21.05.2007	11/802,209	25.03.2014	US8678300	Continental Automotive Systems, Inc.
28	2006P11490 US01	Fuel Injection Circuit With Selectable Peak Injection Currents	31.05.2007	11/755,820	07.09.2010	US789072	Continental Automotive Systems, Inc.
29	2006P05505 US01	Inductive Heated Injector Using A Three Wire Connection	21.03.2007	11/689,088	15.04.2014	US8695901	Continental Automotive Systems, Inc.
30	2006P05502 US01	Inductive Heated Injector Using Voltage Transformer Technology	21.03.2007	11/689,036	03.03.2015	US8967124	Continental Automotive Systems, Inc.
31	2006P03916 US01	Constant Current Zero-Voltage Switching Induction Heater Driver for Variable Spray Injection	21.02.2007	11/708,993	08.12.2009	US7628340	Continental Automotive Systems, Inc.
32	2006P01419 US	Transmission Shift Position Sensor	21.09.2001	09/957,840	09.12.2003	US6659960	Continental Automotive Systems, Inc.
33	2006P01331 US02	Electronic Circuit for Automatic DC Offset Compensation for a Linear Displacement Sensor	11.05.2001	09/853,771	09.03.2004	US6703927	Continental Automotive Systems, Inc.
34	2006P00688 US01	High Speed Gasoline Unit Fuel Injector	12.01.2007	11/652,754	27.07.2010	US7762478	Continental Automotive Systems, Inc.

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35	2006P00488 US	Position Adjustable (Outrigger) Printed Circuit Board	28.04.2006	11/414,429	23.11.2010	US7839657	Continental Automotive Systems, Inc.
36	2005P14739 US01	Demagnetization Field-Enhancing Magnetometer	13.02.2006	11/352,749	05.01.2010	US7640814	Continental Automotive Systems, Inc.
37	2005P14729 US01	Torque Sensor Magnetometer	13.02.2006	11/352,712	22.01.2008	US7320255	Continental Automotive Systems, Inc.
38	2005P14383 US01	Fluid Quality Sensor	07.08.2006	11/500,164	16.12.2008	US7466147	Continental Automotive Systems, Inc.
39	2005P11707 US	Magnetometer Circuit	21.11.2005	11/284,249	08.04.2008	US7355397	Continental Automotive Systems, Inc.
40	2005P11706 US	Digital Fluxgate Magnetometer	08.11.2005	11/269,081	24.06.2008	US7391211	Continental Automotive Systems, Inc.
41	2005P11690 US	Sensor Hysteresis Reduction	09.11.2005	11/270,124	05.06.2007	US7228247	Continental Automotive Systems, Inc.
42	2005P10481 US01	Blowout Resistant Weld Method for Laser Welds for Press Fit Parts	15.06.2006	11/453,628	26.04.2011	US7930825	Continental Automotive Systems, Inc.
43	2005P10474 US01	Component Geometry and Method for Blow-Out Resistant Welds	15.06.2006	11/453,543	17.11.2009	US7617605	Continental Automotive Systems, Inc.
44	2005P05009 US	Fuel Sensor	28.06.2005	11/168,176	30.01.2007	US7170303	Continental Automotive Systems, Inc.
45	2004P20716 US	Fuel Injector with a Metering Assembly with a Polymeric Support Member and an Orifice Disk Positioned at a Terminal End of the Polymeric Housing	20.12.2004	11/014,695	22.05.2007	US7219847	Continental Automotive Systems, Inc.
46	2004P20710 US01	Polymeric Bodied Fuel Injector with a Seat and Elastomeric Seal Molded to a Polymeric Support Member	24.08.2007	11/895,476	27.07.2010	US7762477	Continental Automotive Systems, Inc.
47	2004P20208 US01	Pressure Regulator with Ceramic Valve Element	01.12.2005	11/291,623	26.10.2010	US7819132	Continental Automotive Systems, Inc.
48	2004P18213 US	Asymmetric Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,651	18.03.2008	US7344090	Continental Automotive Systems, Inc.
49	2004P18211 US	Fuel Injector with Sauter-Mean-Diameter Atomization Spray of Less than 70 Microns	26.10.2004	10/972,652	27.11.2007	US7299997	Continental Automotive Systems, Inc.
50	2004P18210 US	Unitary Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,864	11.11.2008	US7448560	Continental Automotive Systems, Inc.
51	2004P18209 US	Methods of Making Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,583	29.05.2007	US7222407	Continental Automotive Systems, Inc.
52	2004P18208 US	Fluidic Flow Controller Orifice Disc with Dual-Flow Dividers for Fuel Injector	26.10.2004	10/972,585	11.12.2007	US7306172	Continental Automotive Systems, Inc.
53	2004P18135 US01	Fuel Pressure Regulator Valve Assembly	21.10.2005	11/256,312	26.07.2011	US7984728	Continental Automotive Systems, Inc.
54	2004P16490 US	Spray Pattern Control with Angular Orientation in Fuel Injector and Method	08.09.2004	10/935,589	09.01.2007	US7159800	Continental Automotive Systems, Inc.
55	2004P14607 US	Automotive Control Module Housing	17.11.2004	10/990,643	23.05.2006	US7050305	Continental Automotive Systems, Inc.

56	2004P09100 US01	Deep Pocket Seat Assembly in Modular Fuel Injector with Fuel Filter Mounted to Spring Bias Adjusting Tube and Methods	02.08.2005	11/195,151	18.12.2007	US7309033	Continental Automotive Systems, Inc.
57	2004P09097 US01	DEEP POCKET SEAT ASSEMBLY IN MODULAR FUEL INJECTOR WITH UNITARY FILTER AND O-RING RETAINER ASSEMBLY AND METHODS	02.08.2005	11/195,057	24.06.2008	US7389952	Continental Automotive Systems, Inc.
58	2004P08657 US	Unitary Fuel Injector Module for Fuel System	15.07.2004	10/891,502	08.08.2006	US7086385	Continental Automotive Systems, Inc.
59	2004P08158 US	Magnetic Circuit Using Negative Magnetic Susceptibility	19.05.2004	10/848,000	05.08.2008	US7407119	Continental Automotive Systems, Inc.
60	2004P05812 US	In Line Fluid Quality Sensor	18.11.2004	10/991,579	18.04.2006	US7030629	Continental Automotive Systems, Inc.
61	2004P05182 US	Regulator with Flow Distributor	29.03.2004	10/810,678	01.08.2006	US7082956	Continental Automotive Systems, Inc.
62	2004P01677 US	Asymmetrical Punch	28.04.2004	10/833,348	09.01.2007	US7159436	Continental Automotive Systems, Inc.
63	2004P01676 US	Method of Using a Tool to Form Angled Orifices in a Metering Orifice Disc	24.03.2004	10/807,340	18.09.2007	US7269989	Continental Automotive Systems, Inc.
64	2004P01675 US	Fuel Injector Including an Orifice Disc and a Method of Forming an Oblique Spiral Fuel Flow	19.05.2004	10/848,078	08.08.2006	US7086615	Continental Automotive Systems, Inc.
65	2004P01674 US	Fuel Injector Including a Compound Angle Orifice Disc for Adjusting Spray Targeting	30.04.2004	10/835,617	10.04.2007	US7201329	Continental Automotive Systems, Inc.
66	2004P00819 US	Compound-Angled Orifices in Fuel Injection Metering Disc	04.03.2004	10/793,117	23.05.2006	US7048202	Continental Automotive Systems, Inc.
67	2003P16341 US01	Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,584	30.12.2008	US7469845	Continental Automotive Systems, Inc.
68	2003P15051 US04	Injector Seat That Includes A Coined Seal Band	27.07.2010	12/843,903	11.09.2012	US8261446	Continental Automotive Systems, Inc.
69	2003P15051 US03	Injector Seat That Includes A Coined Seal Band	28.09.2004	12/843,902	13.11.2012	US8307550	Continental Automotive Systems, Inc.
70	2003P15051 US02	Injector Seat That Includes A Coined Seal Band	30.07.2008	12/719,681	16.11.2010	US7832661	Continental Automotive Systems, Inc.
71	2003P14513 US	Modular Fuel Injector and Method of Assembling the Modular Fuel Injector	20.08.2003	10/644,012	25.03.2008	US7347383	Continental Automotive Systems, Inc.

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		Modular Fuel Injector Having a Surface Treatment on an Impact Surface of an Electromagnetic Actuator and Having an Integral Filter and Dynamic Adjustment Assembly					
72	2003P12856 US		22.08.2003	10/645,777	11.01.2005	US6840500	Continental Automotive Systems, Inc.
73	2003P12854 US	Magneto-Hydraulic Compensator For A Fuel Injector	22.08.2003	10/645,781	23.05.2006	US7048209	Continental Automotive Systems, Inc.
74	2003P12702 US	Self-Locking Spring Stop For Fuel Injector Calibration	02.04.2003	10/404,673	20.07.2004	US6764032	Continental Automotive Systems, Inc.
75	2003P12572 US	Fuel Injector With A Deep Pocket Seat And Method of Maintaining Spatial Orientation	19.08.2003	10/642,629	03.07.2007	US7237731	Continental Automotive Systems, Inc.
76	2003P12570 US	Modular Fuel Injector with a Deep Pocket Seat and Method of Maintaining Spatial Orientation	19.08.2003	10,642,628	04.04.2006	US7021566	Continental Automotive Systems, Inc.
77	2003P10276 US	Fuel Injector Including a Compound Angle Orifice Disc	15.07.2003	10/618,713	16.01.2007	US7163159	Continental Automotive Systems, Inc.
78	2003P06653 US01	MODULAR FUEL INJECTOR WITH DI-POLE MAGNETIC CIRCUIT	09.06.2004	10/863,250	08.08.2006	US7086606	Continental Automotive Systems, Inc.
79	2003P05614 US	Modular Fuel Injector Having a Low Mass, High Efficiency Electromagnetic Actuator and Having an Integral Filter and O-Ring Retainer Assembly	11.04.2003	10/411,291	08.02.2005	US6851631	Continental Automotive Systems, Inc.
80	2003P04239 US01	Non-Contact Thrust Force Sensor Assembly	02.03.2004	10/790,963	04.10.2005	US6951145	Continental Automotive Systems, Inc.
81	2003P02857 US	Self-Locking Spring Stop For Fuel Injector Calibration	26.02.2003	10/372,900	02.12.2003	US6655610	Continental Automotive Systems, Inc.
82	2003P01905 US01	Inductive Load Powering Arrangement	13.02.2004	10/779,055	19.09.2006	US7107976	Continental Automotive Systems, Inc.
83	2003P01320 US01	Fuel Supply and Diagnostics Module	02.12.2003	10/725,866	30.08.2005	US6935317	Continental Automotive Systems, Inc.
84	2003P00229 US01	Spray Pattern Control with Non-Angled Orifices Formed on a Dimpled Fuel Injection Metering Disc Having a SAC Volume Reducer	09.01.2004	10/753,377	26.07.2005	US6921021	Continental Automotive Systems, Inc.
85	2003P00228 US01	Spray Pattern Control with Non-Angled Orifices Formed a Generally Planar Metering Disc and Reoriented on Subsequently Dimpled Fuel Injection Metering Disc	09.01.2004	10/753,481	22.11.2005	US6966499	Continental Automotive Systems, Inc.

		Spray Pattern Control With Non-Angled Orifices Formed On A dimpled Fuel Injection Metering Disc Having A Sac Volume Reducer						
86	2003P00213 US01	Fuel Injector Including An Orifice Disc, and A Method of Forming The Orifice Disc With An Asymmetrical Punch	09.01.2004	10/753,378	26.07.2005	US6921022		Continental Automotive Systems, Inc.
87	2002P18433 US	Spray Pattern Control with Angular Orientation in Fuel Injector and Method	30.06.2003	10/608,389	27.09.2005	US6948665		Continental Automotive Systems, Inc.
88	2002P15894 US	Generally Circular Spray Pattern Control with Non-Angled Orifices in Fuel Injection	25.09.2002	10/253,468	14.09.2004	US6789754		Continental Automotive Systems, Inc.
89	2002P15889 US01	Metering Disc and Method	25.09.2002	10/253,499	16.08.2005	US6929197		Continental Automotive Systems, Inc.
		Spray Targeting To An Arcuate Sector With Non-Angled Orifices in Fuel Injection						
90	2002P15867 US	Metering Disc And Method	25.09.2002	10/253,467	23.11.2004	US6820826		Continental Automotive Systems, Inc.
		Flow-Through Pressure Regulator Including A Closure Member Assembly Integrated With A Housing						
91	2002P15883 US01	Injection Valve With Single Disc Turbulence Generation	06.06.2003	10/455,630	20.06.2006	US7063104		Continental Automotive Systems, Inc.
92	2002P15586 US	Fuel Injector and Method of Forming a Hermetic Seal for The Fuel Injector	20.09.2002	10/247,351	04.05.2004	US6729563		Continental Automotive Systems, Inc.
93	2002P15573 US	Fuel Injector Cup With Improved Lead-In Dimensions For Reduced Insertion Force	19.09.2002	10/246,483	21.09.2004	US6793162		Continental Automotive Systems, Inc.
94	2002P13650 US	Automotive Control Module Housing	25.09.2002	10/253,476	27.03.2007	US7195004		Continental Automotive Systems, Inc.
95	2002P11741 US01		01.07.2003	10/610,610	19.04.2005	US6881077		Continental Automotive Systems, Inc.
		Spray Control with Non-Angled Orifices in Fuel Injection Metering Disc and Methods	28.06.2002	10/183,392	22.11.2005	US6966505		Continental Automotive Systems, Inc.
96	2002P10434 US	Utilizing Increasing Width For Identification Voltages	27.06.2002	10/184,471	08.02.2005	US6851305		Continental Automotive Systems, Inc.
97	2002P10071 US	Fuel Sensor	02.06.2003	10/452,840	09.08.2005	US6927583		Continental Automotive Systems, Inc.
98	2002P08447 US01	Apparatus and Method of Connecting a Fuel Injector and a Fuel Rail	02.04.2002	10/112,768	16.03.2004	US6705292		Continental Automotive Systems, Inc.
99	2002P07671 US	Injector Valve for an Integrated Air/Fuel Module	01.04.2003	10/402,969	07.09.2004	US6786203		Continental Automotive Systems, Inc.
100	2002P07281 US01							

PATENT ASSIGNMENT

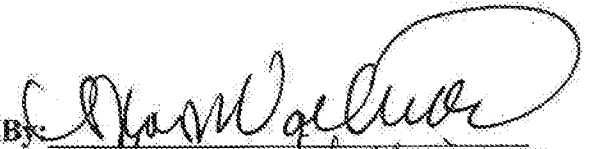
WHEREAS, Continental Automotive Systems, Inc., ("Assignor"), a corporation, organized and existing under the laws of Delaware and having its principal place of business in Auburn Hills, Michigan, USA, is the owner of the patent applications listed in Schedule "A" attached hereto (collectively, the "Patent Applications") and the inventions and improvements ("Inventions") described therein; and

WHEREAS, Vitesco Technologies USA, LLC ("Assignee"), a limited liability company, organized and existing under the laws of Delaware and having its principal place of business in Auburn Hills, Michigan, USA, is desirous of acquiring from Assignor its whole right, title and interest in and to the Patent Applications and the Inventions described therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties hereto, Assignor hereby sells, assigns and transfers, unto Assignee and its successors, assigns, and legal representatives, the exclusive right, title and interest in and for the United States, in and to any Inventions disclosed in the Patent Applications, and in and to said Patent Applications and all divisional, continuation, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said Inventions; and in and to all original and reissued patents which shall be issued in the United States on said Inventions; and hereby authorizes and requests the Commissioner of Patents of the United States to issue Letters Patent upon the Patent Applications, division, extension, continuation or reissue, to Assignee, for the sole use and benefit of Assignee, its successors, assigns and legal representatives, to the full end of the term for which any Letters Patent may be granted, the same as they would have been held and enjoyed by Assignor had this assignment not been made.

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its respective duly authorized representative as of *Aug 10*, 2021.

Continental Automotive Systems, Inc.

By: 
 Name: *Mary M. Velhever*
 Title: *Assistant Secretary*

Vitesco Technologies USA, LLC

By: 
 Name: *Shaina M. M. Schiffman*
 Title: *Secretary*

Schedule A

No.	Internal file number	Title	Filing date	Application number	Grant date	Grant number	Applicant
1	2007P10160 US01	DIESEL DOSING SYSTEM RELIEF OF TRAPPED VOLUME FLUID PRESSURE AT SHUTDOWN	17.04.2008	12/081,537	25.05.2010	US7721533	Continental Automotive Systems, Inc.
2	2007P05491 US	Method for Determining RMS Values For Grid-Linked Converters	09.03.2004	10/797,905	04.07.2006	US7071759	Continental Automotive Systems, Inc.
3	2007P05420 US	Integrated Traction Inverter Module And DC/DC Converter	07.02.2003	10/360,832	14.03.2006	US7012822	Continental Automotive Systems, Inc.
4	2007P05417 US	Method and Apparatus for Motor Control	30.05.2003	10/449,824	30.08.2005	US6936991	Continental Automotive Systems, Inc.
5	2007P05414 US	Overmodulation Systems and Methods for Induction Motor Control	15.01.2003	10/345,872	18.01.2005	US6844701	Continental Automotive Systems, Inc.
6	2007P05404 US	Device and Method of Commutation Control for an Isolated Boost Converter	15.01.2003	10/345,894	30.08.2005	US6937483	Continental Automotive Systems, Inc.
7	2007P05383 US	System and Method for Induction Motor Control	13.11.2001	10/010,307	16.03.2004	US6707270	Continental Automotive Systems, Inc.
8	2007P05168 US	System and Method for Controlling Torque in an Electrical Machine	29.11.2001	09/683,176	15.10.2002	US6465977	Continental Automotive Systems, Inc.
9	2007P04710 US	Method, Apparatus and Article for Motor Control Voltage Dropout Detection	30.07.2004	10/903,918	01.08.2006	US7084588	Continental Automotive Systems, Inc.
10	2007P04594 US	Apparatus, System, and method for AC BUS Loss Detection and AC BUS Disconnection for Electric Vehicles Having a House Keeping Power Supply	22.12.2005	11/317,658	10.11.2009	US7616460	Continental Automotive Systems, Inc.
11	2007P04591 US	System and Method of Over Voltage Control for a Power System	27.10.2005	11/262,519	06.07.2010	US7750501	Continental Automotive Systems, Inc.
12	2007P04480 US	System and Method for Commonly Controlling Power Converters	18.11.2005	11/282,301	25.11.2008	US7456602	Continental Automotive Systems, Inc.
13	2007P04202 US	Interleaved Power Converter	04.06.2004	10/861,319	13.11.2007	US7295448	Continental Automotive Systems, Inc.
14	2007P04115 US	Integration of Planar Transformer And/or Planar Inductor with Power Switches in Power Converter	12.10.2004	10/964,000	30.10.2007	US7289329	Continental Automotive Systems, Inc.
15	2007P04025 US01	Unique Mounting System for Bearing-Mounted Automotive ABS (Anti-Lock Brake) Sensor	22.02.2008	12/035,860	29.11.2011	US8065790	Continental Automotive Systems, Inc.

		System and Method for Induction Motor Control	29.11.2001	09/683,180	07.10.2003	US6630809	Continental Automotive Systems, Inc.
16	2007P03915 US	Series Regenerative Braking Torque Control Systems and Methods	28.11.2001	09/683,171	14.10.2003	US6631960	Continental Automotive Systems, Inc.
17	2007P03907 US						
18	2007P03896 US	Ride Through in Electronic Power Converters	06.08.2003	10/637,754	31.05.2005	US6900643	Continental Automotive Systems, Inc.
19	2007P03885 US	Power Generation System Suitable for Hybrid Electric Vehicles	20.06.2006	11/472,486	06.04.2010	US7690456	Continental Automotive Systems, Inc.
20	2007P03795 US01	DC/DC Converter	08.01.2008	11/920,721	21.09.2010	US7800921	Continental Automotive Systems, Inc.
		Operating and Controlling Insulated Gate Bipolar Transistors in High Speed Failure Mode Situations	29.11.2007	11/947,272	19.07.2011	US7983013	Continental Automotive Systems, Inc.
21	2007P03786 US01	Circuit Configuration for Permanent Magnet Synchronous Motor Control	16.01.2003	10/346,724	17.05.2005	US6894450	Continental Automotive Systems, Inc.
22	2007P03613 US						
		Method and System for Non-Invasive Power Transistor Die Voltage measurement	03.12.2002	10/309,793	01.03.2005	US6861835	Continental Automotive Systems, Inc.
23	2007P03612 US						
24	2007P01155 US01	Friction Spring for Leak Detection Poppet	09.01.2008	12/007,306	05.07.2011	US7971853	Continental Automotive Systems, Inc.
25	2006P25225 US01	IDLE AIR CONTROL VALVE BEARING IMPROVEMENT	26.11.2007	11/984,920	08.03.2011	US7900888	Continental Automotive Systems, Inc.
26	2006P23933 US01	Laser Welded Automotive Diesel Exhaust HC Dosing Valve	11.06.2007	11/808,511	06.10.2015	US9151201	Continental Automotive Systems, Inc.
27	2006P12618 US01	Automotive Diesel Exhaust Water Cooled HC Dosing	21.05.2007	11/802,209	25.03.2014	US8678300	Continental Automotive Systems, Inc.
28	2006P11490 US01	Fuel Injection Circuit With Selectable Peak Injection Currents	31.05.2007	11/755,820	07.09.2010	US7789072	Continental Automotive Systems, Inc.
29	2006P05505 US01	Inductive Heated Injector Using A Three Wire Connection	21.03.2007	11/689,088	15.04.2014	US8695901	Continental Automotive Systems, Inc.
30	2006P05502 US01	Inductive Heated Injector Using Voltage Transformer Technology	21.03.2007	11/689,086	03.03.2015	US8967124	Continental Automotive Systems, Inc.
31	2006P03916 US01	Constant Current Zero-Voltage Switching Induction Heater Driver for Variable Spray Injection	21.02.2007	11/708,993	08.12.2009	US7628340	Continental Automotive Systems, Inc.
32	2006P01419 US	Transmission Shift Position Sensor	21.09.2001	09/957,840	09.12.2003	US6658960	Continental Automotive Systems, Inc.
		Electronic Circuit for Automatic DC Offset Compensation for a Linear Displacement Sensor	11.05.2004	09/853,771	09.03.2004	US6703827	Continental Automotive Systems, Inc.
33	2006P01331 US02						
34	2006P00688 US01	High Speed Gasoline Unit Fuel Injector	12.01.2007	11/652,754	27.07.2010	US7762478	Continental Automotive Systems, Inc.

35	2006P00488 US	Position Adjustable (Outrigger) Printed Circuit Board	28.04.2006	11/414,439	23.11.2010	US7839657	Continental Automotive Systems, Inc.
36	2005P14739 US01	Demagnetization Field-Enhancing Magnetometer	13.02.2006	11/352,749	05.01.2010	US7640814	Continental Automotive Systems, Inc.
37	2005P14729 US01	Torque Sensor Magnetometer	13.02.2006	11/352,712	22.01.2008	US7320255	Continental Automotive Systems, Inc.
38	2005P14383 US01	Fluid Quality Sensor	07.08.2006	11/500,164	16.12.2008	US7466147	Continental Automotive Systems, Inc.
39	2005P11707 US	Magnetometer Circuit	21.11.2005	11/784,249	08.04.2008	US7355397	Continental Automotive Systems, Inc.
40	2005P11706 US	Digital Fluxgate Magnetometer	08.11.2005	11/769,081	24.06.2008	US7391211	Continental Automotive Systems, Inc.
41	2005P11690 US	Sensor Hysteresis Reduction	09.11.2005	11/270,124	05.06.2007	US7228247	Continental Automotive Systems, Inc.
42	2005P10481 US01	Blowout Resistant Weld Method for Laser Welds for Press Fit Parts	15.06.2006	11/453,628	26.04.2011	US7930825	Continental Automotive Systems, Inc.
43	2005P10474 US01	Component Geometry and Method for Blow-Out Resistant Welds	15.06.2006	11/453,543	17.11.2009	US7617605	Continental Automotive Systems, Inc.
44	2005P05009 US	Fuel Sensor	28.06.2005	11/168,176	30.01.2007	US7170303	Continental Automotive Systems, Inc.
		Fuel Injector with a Metering Assembly with a Polymeric Support Member and an Orifice Disk Positioned at a Terminal End of the Polymeric Housing	20.12.2004	11/014,695	22.05.2007	US7219847	Continental Automotive Systems, Inc.
45	2004P20716 US	Polymeric Bodied Fuel Injector with a Seat and Elastomeric Seal Molded to a Polymeric Support Member	24.08.2007	11/885,476	27.07.2010	US7762477	Continental Automotive Systems, Inc.
46	2004P20710 US01	Pressure Regulator with Ceramic Valve Element	01.12.2005	11/291,623	26.10.2010	US7819132	Continental Automotive Systems, Inc.
47	2004P20208 US01	Asymmetric Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,651	18.03.2008	US7344090	Continental Automotive Systems, Inc.
48	2004P18213 US	Fuel Injector with Sauter-Mean-Diameter Atomization Spray of Less than 70 Microns	26.10.2004	10/972,652	27.11.2007	US7299997	Continental Automotive Systems, Inc.
49	2004P18211 US	Unitary Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,864	11.11.2008	US7448560	Continental Automotive Systems, Inc.
50	2004P18210 US	Methods of Making Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,583	29.05.2007	US7222407	Continental Automotive Systems, Inc.
51	2004P18209 US	Fluidic Flow Controller Orifice Disc with Dual-Flow Dividers for Fuel Injector	26.10.2004	10/972,585	11.12.2007	US7306172	Continental Automotive Systems, Inc.
52	2004P18208 US	Fuel Pressure Regulator Valve Assembly	21.10.2005	11/256,312	26.07.2011	US7984728	Continental Automotive Systems, Inc.
53	2004P18135 US01	Spray Pattern Control with Angular Orientation in Fuel Injector and Method	08.09.2004	10/935,589	09.01.2007	US7159800	Continental Automotive Systems, Inc.
54	2004P16490 US	Automotive Control Module Housing	17.11.2004	10/990,643	23.05.2006	US7050305	Continental Automotive Systems, Inc.
55	2004P14607 US						

56	2004P09100 US01	Deep Pocket Seat Assembly in Modular Fuel Injector with Fuel Filter Mounted to Spring Bias Adjusting Tube and Methods	02.08.2005	11/195,151	18.12.2007	US7309033	Continental Automotive Systems, Inc.
57	2004P09097 US01	DEEP POCKET SEAT ASSEMBLY IN MODULAR FUEL INJECTOR WITH UNITARY FILTER AND O-RING RETAINER ASSEMBLY AND METHODS	02.08.2005	11/195,057	24.06.2008	US7389952	Continental Automotive Systems, Inc.
58	2004P08657 US	Unitary Fuel Injector Module for Fuel System	15.07.2004	10/891,502	08.08.2006	US7086385	Continental Automotive Systems, Inc.
59	2004P08158 US	Magnetic Circuit Using Negative Magnetic Susceptibility	19.05.2004	10/848,000	05.08.2008	US7407119	Continental Automotive Systems, Inc.
60	2004P05812 US	In Line Fluid Quality Sensor	18.11.2004	10/991,579	18.04.2006	US7030629	Continental Automotive Systems, Inc.
61	2004P05182 US	Regulator with Flow Distributor	29.03.2004	10/810,678	01.08.2006	US7082956	Continental Automotive Systems, Inc.
62	2004P01677 US	Asymmetrical Punch	28.04.2004	10/833,348	09.01.2007	US7159436	Continental Automotive Systems, Inc.
63	2004P01676 US	Method of Using a Tool to Form Angled Orifices in a Metering Orifice Disc	24.03.2004	10/807,340	18.09.2007	US7269989	Continental Automotive Systems, Inc.
64	2004P01675 US	Fuel Injector Including an Orifice Disc and a Method of Forming an Oblique Spiral Fuel Flow	19.05.2004	10/848,078	08.08.2006	US7086615	Continental Automotive Systems, Inc.
65	2004P01674 US	Fuel Injector Including a Compound Angle Orifice Disc for Adjusting Spray Targeting	30.04.2004	10/835,617	10.04.2007	US7201329	Continental Automotive Systems, Inc.
66	2004P00819 US	Compound-Angled Orifices in Fuel Injection Metering Disc	04.03.2004	10/793,117	23.05.2006	US7048202	Continental Automotive Systems, Inc.
67	2003P16341 US01	Fluidic Flow Controller Orifice Disc for Fuel Injector	26.10.2004	10/972,584	30.12.2008	US7469845	Continental Automotive Systems, Inc.
68	2003P15051 US04	Injector Seat That Includes A Coined Seal Band	27.07.2010	12/843,903	11.09.2012	US8261446	Continental Automotive Systems, Inc.
69	2003P15051 US03	Injector Seat That Includes A Coined Seal Band	28.09.2004	12/843,902	13.11.2012	US8307550	Continental Automotive Systems, Inc.
70	2003P15051 US02	Injector Seat That Includes A Coined Seal Band	30.07.2008	12/319,881	16.11.2010	US7832661	Continental Automotive Systems, Inc.
71	2003P14513 US	Modular Fuel Injector and Method of Assembling the Modular Fuel Injector	20.08.2003	10/644,012	25.03.2008	US7347383	Continental Automotive Systems, Inc.

	Modular Fuel Injector Having a Surface Treatment on an Impact Surface of an Electromagnetic Actuator and Having an Integral Filter and Dynamic Adjustment Assembly						
72	2003P12856 US	Magneto-Hydraulic Compensator For A Fuel Injector	22.08.2003	10/645,777	11.01.2005	US6840500	Continental Automotive Systems, Inc.
73	2003P12854 US	Self-Locking Spring Stop For Fuel Injector Calibration	22.08.2003	10/645,781	23.05.2006	US7048209	Continental Automotive Systems, Inc.
74	2003P12702 US	Fuel Injector With A Deep Pocket Seat And Method of Maintaining Spatial Orientation	02.04.2003	10/404,673	20.07.2004	US6764032	Continental Automotive Systems, Inc.
75	2003P12572 US	Modular Fuel Injector with a Deep Pocket Seat and Method of Maintaining Spatial Orientation	19.08.2003	10/642,629	03.07.2007	US7237731	Continental Automotive Systems, Inc.
76	2003P12570 US	Fuel Injector Including a Compound Angle Orifice Disc	19.08.2003	10,642,628	04.04.2006	US7021566	Continental Automotive Systems, Inc.
77	2003P10276 US	MODULAR FUEL INJECTOR WITH DI-POLE MAGNETIC CIRCUIT	15.07.2003	10/618,713	16.01.2007	US7163159	Continental Automotive Systems, Inc.
78	2003P06653 US01	Modular Fuel Injector Having a Low Mass, High Efficiency Electromagnetic Actuator and Having an Integral Filter and O-Ring Retainer Assembly	09.06.2004	10/863,250	08.08.2006	US7086606	Continental Automotive Systems, Inc.
79	2003P05614 US		11.04.2003	10/411,291	08.02.2005	US6851631	Continental Automotive Systems, Inc.
80	2003P04239 US01	Non-Contact Thrust Force Sensor Assembly	02.03.2004	10/790,963	04.10.2005	US6951145	Continental Automotive Systems, Inc.
81	2003P02857 US	Self-Locking Spring Stop For Fuel Injector Calibration	26.02.2003	10/372,900	02.12.2003	US6655610	Continental Automotive Systems, Inc.
82	2003P01905 US01	Inductive Load Powering Arrangement	13.02.2004	10/779,055	19.09.2006	US7107976	Continental Automotive Systems, Inc.
83	2003P01320 US01	Fuel Supply and Diagnostics Module	02.12.2003	10/725,866	30.08.2005	US6935317	Continental Automotive Systems, Inc.
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		Spray Pattern Control With Non-Angled Orifices Formed On A dimpled Fuel Injection Metering Disc Having A Sac Volume Reducer	09.01.2004	10/753,378	26.07.2005	US6921022	Continental Automotive Systems, Inc.
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87	2002P18433 US	Spray Pattern Control with Angular Orientation in Fuel Injector and Method	25.09.2002	10/253,468	14.09.2004	US6789754	Continental Automotive Systems, Inc.
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89	2002P15889 US01	Spray Targeting To An Arcuate Sector With Non-Angled Orifices in Fuel Injection Metering Disc And Method	25.09.2002	10/253,467	23.11.2004	US6820826	Continental Automotive Systems, Inc.
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91	2002P15883 US01	Injection Valve With Single Disc Turbulence Generation	20.09.2002	10/247,351	04.05.2004	US6729563	Continental Automotive Systems, Inc.
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93	2002P15573 US	Fuel Injector Cup With Improved Lead-In Dimensions For Reduced Insertion Force	25.09.2002	10/253,476	27.03.2007	US7195004	Continental Automotive Systems, Inc.
94	2002P13650 US	Automotive Control Module Housing	01.07.2003	10/610,610	19.04.2005	US6881077	Continental Automotive Systems, Inc.
95	2002P11741 US01	Spray Control with Non-Angled Orifices in Fuel Injection Metering Disc and Methods Utilizing Increasing Width For Identification	28.06.2002	10/183,392	22.11.2005	US6966505	Continental Automotive Systems, Inc.
96	2002P10434 US	Fuel Injector	27.06.2002	10/184,471	08.02.2005	US6851305	Continental Automotive Systems, Inc.
97	2002P10071 US	Fuel Sensor	02.06.2003	10/452,840	09.08.2005	US6927583	Continental Automotive Systems, Inc.
98	2002P08447 US01	Apparatus and Method of Connecting a Fuel Injector and a Fuel Rail	02.04.2002	10/112,768	16.03.2004	US6705292	Continental Automotive Systems, Inc.
99	2002P07671 US	Injector Valve for an Integrated Air/Fuel Module	01.04.2003	10/402,969	07.09.2004	US6786203	Continental Automotive Systems, Inc.
100	2002P07281 US01						