PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4423983

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
DAYCO IP HOLDINGS, LLC	05/19/2017

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A., AS ABL AGENT
Street Address:	185 ASYLUM STREET
City:	HARTFORD
State/Country:	CONNECTICUT
Postal Code:	06103

PROPERTY NUMBERS Total: 91

Property Type	Number
Application Number:	12717130
Application Number:	13918450
Application Number:	14139341
Application Number:	14154268
Application Number:	14169383
Application Number:	14191053
Application Number:	14193389
Application Number:	14247323
Application Number:	14248237
Application Number:	14268246
Application Number:	14269286
Application Number:	14277815
Application Number:	14294727
Application Number:	14303074
Application Number:	14304215
Application Number:	14304219
Application Number:	14334094
Application Number:	14452651
Application Number:	14463200
Application Number:	14468446

PATENT REEL: 042523 FRAME: 0397

504377288

Property Type	Number
Application Number:	14473151
Application Number:	14509612
Application Number:	14526626
Application Number:	14539656
Application Number:	14556279
Application Number:	14556292
Application Number:	14565075
Application Number:	14565088
Application Number:	14565814
Application Number:	14566246
Application Number:	14567450
Application Number:	14593361
Application Number:	14600598
Application Number:	14612383
Application Number:	14628430
Application Number:	14631287
Application Number:	14639416
Application Number:	14677621
Application Number:	14678106
Application Number:	14711313
Application Number:	14725642
Application Number:	14731942
Application Number:	14734228
Application Number:	14734750
Application Number:	14789099
Application Number:	14796447
Application Number:	14800027
Application Number:	14803646
Application Number:	14804891
Application Number:	14815005
Application Number:	14818851
Application Number:	14830864
Application Number:	14843320
Application Number:	14843415
Application Number:	14854510
Application Number:	14883172
Application Number:	14934650
Application Number:	14960481

Property Type	Number
Application Number:	14966505
Application Number:	14989177
Application Number:	14996526
Application Number:	15010393
Application Number:	15065470
Application Number:	15084636
Application Number:	15097558
Application Number:	15181647
Application Number:	15189230
Application Number:	15189922
Application Number:	15210190
Application Number:	15245941
Application Number:	15248727
Application Number:	15267469
Application Number:	15337454
Application Number:	15416612
Application Number:	15429611
Application Number:	15441663
Application Number:	15448726
Application Number:	15482095
Application Number:	29511304
Application Number:	29530829
Application Number:	29533486
Application Number:	29591027
Application Number:	29591029
Application Number:	29591032
Application Number:	29591034
Application Number:	29591037
Application Number:	62328318
Application Number:	62349787
Application Number:	62373074
Application Number:	62397477
Application Number:	62485652

CORRESPONDENCE DATA

Fax Number: (800)914-4240

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

Phone: 800-713-0755

PATENT

REEL: 042523 FRAME: 0399

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: MICHAEL VIOLET

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Address Line 2: SUITE 125

Address Line 4: COLUMBUS, OHIO 43219

NAME OF SUBMITTER:	KEN TAN
SIGNATURE:	/Ken Tan/
DATE SIGNED:	05/22/2017

Total Attachments: 14

source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page1.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page2.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page3.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page4.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page5.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page6.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page7.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page8.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page9.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page10.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page11.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page12.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page12.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page13.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page13.tif source=18. Dayco ABL - Supplemental Patent Security Agreement [Executed]#page14.tif

SUPPLEMENTAL PATENT SECURITY AGREEMENT

Supplemental Patent Security Agreement, dated as of May 19, 2017, by Dayco IP Holdings, LLC (the "<u>Grantor</u>") in favor of Bank of America, N.A., in its capacity as agent pursuant to the Credit Agreement (in such capacity, the "<u>Agent</u>").

WITNESSETH:

Whereas, the Grantor is party to a U.S. Security Agreement dated as of December 12, 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") in favor of the Agent pursuant to which the Grantor is required to execute and deliver this Supplemental Patent Security Agreement;

Now, therefore, in consideration of the premises and to induce the Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantor hereby agrees with the Agent as follows:

SECTION 1. <u>Defined Terms</u>. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. <u>Grant of Security Interest in Patent Collateral</u>. The Grantor hereby pledges and grants to the Agent, for its own benefit and for the benefit of the other Secured Parties, a security interest in and to all of its right, title and interest in, to and under all the following Collateral of such Grantor:

- (a) Patents of the Grantor listed on Schedule I attached hereto; and
- (b) all Proceeds of any and all of the foregoing (other than Excluded Property).

SECTION 3. <u>Security Agreement</u>. The security interest granted pursuant to this Supplemental Patent Security Agreement is granted in conjunction with the security interest granted to the Agent pursuant to the Security Agreement and Grantor hereby acknowledges and affirms that the rights and remedies of the Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Supplemental Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Agent shall otherwise determine.

SECTION 4. <u>Termination</u>. Upon the payment in full of the Secured Obligations (other than contingent obligations not yet accrued and payable) and termination of the Security Agreement, the Agent shall execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Patents under this Supplemental Patent Security Agreement.

SECTION 5. <u>Counterparts</u>. This Supplemental Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same

instrument, and any party hereto may execute this Supplemental Patent Security Agreement by signing and delivering one or more counterparts.

SECTION 6. Governing Law. This Supplemental Patent Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Supplemental Patent Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York.

[Signature page follows]

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

Very truly yours,

DAYCO IP HOLDINGS, LLC

Name: David McNulty

Title: Treasurer

[Dayco - Patent Security Agreement Signature Page]

Accepted and Agreed:

BANK OF AMERICA, N.A.,

as Agent

Name: Madatan Banganis

Title: SUF

[Signature Page to Patent Security Agreement]

SCHEDULE I

to

SUPPLEMENTAL PATENT SECURITY AGREEMENT PATENTS AND PATENT APPLICATIONS

U.S. Patents and Patent Applications:

				Filing	Patent	
No.	Assignee	Patent Title	Serial No.	Date	No.	Issue Date
1.	Dayco IP Holdings, LLC	Counter-Biased Valve and Actuator Assembly	12717130	03/13/2010	8469333	06/25/2013
2.	Dayco IP Holdings, LLC	Counter-Biased Valve and Actuator Assembly	13918450	06/14/2013	8783647	07/22/2014
3.	Dayco IP Holdings, LLC	Low Noise Pulley	14139341	12/23/2013		
4.	Dayco IP Holdings, LLC	PISTON ACTUATOR CONTROLLING A VALVE AND METHOD FOR OPERATING THE SAME	14154268	01/14/2014		
5.	Dayco IP Holdings, LLC	System and method for generating an interactive endless belt routing diagram	14169383	01/31/2014	9436661	09/06/2016
6.	Dayco IP Holdings, LLC	Clutched damper for a belt tensioner	14191053	02/26/2014	RE46019	05/31/2016
7.	Dayco IP Holdings, LLC	BELT TENSIONER WITH SUPPLEMENTAL FORCE ELEMENT	14193389	02/28/2014		
8.	Dayco IP Holdings, LLC	Pulley assembly with radially oriented decoupling mechanism	14247323	04/08/2014	9291217	03/22/2016
9.	Dayco IP Holdings, LLC	Material compensation joint and radial vibration damper having same	14248237	04/08/2014	9322453	04/26/2016
10.	Dayco IP Holdings, LLC	Reusable dust cap for a pulley assembly	14268246	05/02/2014	9458920	10/04/2016
11.	Dayco IP Holdings, LLC	Variable flow valve having metered flow orifice	14269286	05/05/2014	9291094	03/22/2016

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No. 12.	Assignee Dayco IP Holdings, LLC	Patent Title SPRUNG GATE VALVES MOVABLE BY AN ACTUATOR	Serial No. 14277815	Date 05/15/2014	No.	Issue Date
13.	Dayco IP Holdings, LLC	ASPIRATORS FOR PRODUCING VACUUM USING THE VENTURI EFFECT	14294727	06/03/2014		
14.	Dayco IP Holdings, LLC	Torsional vibration damper	14303074	06/12/2014	9506523	11/29/2016
15.	Dayco IP Holdings, LLC	Pneumatic compressor recirculation valve system for minimizing surge under boost during throttle closing	14304215	06/13/2014	9145824	09/29/2015
16.	Dayco IP Holdings, LLC	Pneumatic compressor recirculation valve system for minimizing surge under boost during throttle closing	14304219	06/13/2014	9133852	09/15/2015
17.	Dayco IP Holdings, LLC	ASPIRATOR AND EJECTOR SYSTEM	14334094	07/17/2014		
18.	Dayco IP Holdings, LLC	PNEUMATICALLY ACTUATED VACUUM PUMP HAVING MULTIPLE VENTURI GAPS AND CHECK VALVES	14452651	08/06/2014		
19.	Dayco IP Holdings, LLC	DUAL ASPIRATOR SYSTEM WITH ASPIRATOR SHUT- OFF VALVE	14463200	08/19/2014		
20.	Dayco IP Holdings, LLC	VACUUM PRODUCER INCLUDING AN ASPIRATOR AND AN EJECTOR	14468446	08/26/2014		
21.	Dayco IP Holdings, LLC	SPRUNG GATE VALVES MOVABLE BY A SOLENOID ACTUATOR	14473151	08/29/2014		
22.	Dayco IP Holdings, LLC	Noise attenuation in a check valve unit or apparatus for producing vacuum	14509612	10/08/2014	9534704	01/03/2017
23.	Dayco IP Holdings, LLC	License plate and VIN scan/code catalog and information lookup	14526626	10/29/2014	9349140	05/24/2016

				Filing	Patent	
No.	Assignee	Patent Title	Serial No.	Date	No.	Issue Date
24.	Dayco IP Holdings, LLC	Diesel engine fluid coolant system having a solenoid-powered gate valve	14539656	11/12/2014	9303548	04/05/2016
25.	Dayco IP Holdings, LLC	EVACUATOR SYSTEM HAVING MULTI-PORT EVACUATOR	14556279	12/01/2014		
26.	Dayco IP Holdings, LLC	Evacuator system for supplying high suction vacuum or high suction flow rate	14556292	12/01/2014	9581060	02/28/2017
27.	Dayco IP Holdings, LLC	Noise attenuation unit for engine systems	14565075	12/09/2014	9617958	04/11/2017
28.	Dayco IP Holdings, LLC	FLOW CONTROL FOR ASPIRATORS PRODUCING VACUUM USING THE VENTURI EFFECT	14565088	12/09/2014		
29.	Dayco IP Holdings, LLC	MAGNETICALLY ACTUATED SHUT- OFF VALVE	14565814	12/10/2014		
30.	Dayco IP Holdings, LLC	TURBOCHARGER COMPRESSOR RECIRCULATION SYSTEM	14566246	12/10/2014		
31.	Dayco IP Holdings, LLC	Solenoid-powered gate valve	14567450	12/11/2014	9574677	02/21/2017
32.	Dayco IP Holdings, LLC	Noise attenuating member for noise attenuating units in engines	14593361	01/09/2015	9382826	07/05/2016
33.	Dayco IP Holdings, LLC	Check valve with improved sealing member	14600598	01/20/2015	9581258	02/28/2017
34.	Dayco IP Holdings, LLC	Cap retainer and a pulley assembly including the cap retainer and method of assembly	14612383	02/03/2015	9452580	09/27/2016
35.	Dayco IP Holdings, LLC	ENDLESS BRUSH BELTS AND METHODS OF MAKING SAME	14628430	02/23/2015		
36.	Dayco IP Holdings, LLC	EVACUATOR WITH MOTIVE FIN	14631287	02/25/2015		
37.	Dayco IP Holdings, LLC	Torsional vibration dampers	14639416	03/05/2015	9599209	03/21/2017

				Filing	Patent	
No.	Assignee	Patent Title	Serial No.	Date	No.	Issue Date
38.	Dayco IP Holdings, LLC	Radial vibration dampers for rotating shafts	14677621	04/02/2015	9410597	08/09/2016
39.	Dayco IP Holdings, LLC	BYPASS CHECK VALVE AND VENTURI DEVICES HAVING THE SAME	14678106	04/03/2015		
40.	Dayco IP Holdings, LLC	HOSE-SHAPING APPARATUS	14711313	05/13/2015		
41.	Dayco IP Holdings, LLC	VACUUM CREATION SYSTEM HAVING AN EJECTOR, PNEUMATIC CONTROL VALVE AND OPTIONALLY AN ASPIRATOR	14725642	05/29/2015		
42.	Dayco IP Holdings, LLC	NOISE ATTENUATION IN A VENTURI DEVICE AND/OR CHECK VALVES	14731942	06/05/2015		
43.	Dayco IP Holdings, LLC	VENTURI DEVICES WITH DUAL VENTURI FLOW PATHS	14734228	06/09/2015		
44.	Dayco IP Holdings, LLC	Torsional vibration damper with an interlocked isolator	14734750	06/09/2015	9581233	02/28/2017
45.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPER WITH AN INTERLOCKED ISOLATOR	14789099	07/01/2015		
46.	Dayco IP Holdings, LLC	DUAL VENTURI DEVICE	14796447	07/10/2015		
47.	Dayco IP Holdings, LLC	ASPIRATED RELIEF VALVE FOR A TURBOCHARGING SYSTEM	14800027	07/15/2015		
48.	Dayco IP Holdings, LLC	RETAINING CLAMP FOR MOLDED PLASTICS	14803646	07/20/2015		
49.	Dayco IP Holdings, LLC	LOW FREQUENCY TORSIONAL VIBRATION DAMPER	14804891	07/21/2015		

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No. 50.	Assignee Dayco IP Holdings, LLC	Patent Title TWO-PART HUB FOR A TORSIONAL VIBRATION DAMPER AND METHOD OF MAKING SAME	Serial No. 14815005	07/31/2015	No.	Issue Date
51.	Dayco IP Holdings, LLC	Magnetically actuated shut-off valve	14818851	08/05/2015	9599246	03/21/2017
52.	Dayco IP Holdings, LLC	LOW-COST EVACUATOR FOR AN ENGINE HAVING TUNED VENTURI GAPS	14830864	08/20/2015		
53.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPERS HAVING DUAL ELASTOMERIC MEMBERS	14843320	09/02/2015		
54.	Dayco IP Holdings, LLC	APPARATUS FOR A DRIVE SYSTEM HAVING A CARTRIDGE HOUSING ONE OR MORE ELASTOMER MEMBERS	14843415	09/02/2015		
55.	Dayco IP Holdings, LLC	V-RIBBED BELT WITH SPACED RIB FLANK REINFORCEMENT	14854510	09/15/2015		
56.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPERS	14883172	10/14/2015		
57.	Dayco IP Holdings, LLC	CHECK VALVE WITH IMPROVED SEALING MEMBER	14934650	11/06/2015		
58.	Dayco IP Holdings, LLC	Sprung gate valve	14960481	12/07/2015	9599234	03/21/2017
59.	Dayco IP Holdings, LLC	DAMPER ISOLATOR WITH MAGNETIC SPRING	14966505	12/11/2015		
60.	Dayco IP Holdings, LLC	CRANKCASE VENTILATING EVACUATOR	14989177	01/06/2016		
61.	Dayco IP Holdings, LLC	ELASTOMER STRIP DESIGN FOR TORSIONAL VIBRATION DAMPERS AND TORSIONAL VIBRATION DAMPERS HAVING SAME	14996526	01/15/2016		

No.	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
62.	Dayco IP Holdings, LLC	VARIABLE FLOW VALVE HAVING METERED FLOW ORIFICE	15010393	01/29/2016	110.	1920G Date
63.	Dayco IP Holdings, LLC	DEVICES FOR PRODUCING VACUUM USING THE VENTURI EFFECT	15065470	03/09/2016		
64.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPER SPOKE DESIGN	15084636	03/30/2016		
65.	Dayco IP Holdings, LLC	DEVICES FOR 15097558 04/13/2016 PRODUCING VACUUM USING THE VENTURI EFFECT				
66.	Dayco IP Holdings, LLC	CHECK VALVES AND 15181647 CONTURI DEVICES HAVING THE SAME		06/14/2016		
67.	Dayco IP Holdings, LLC	DUAL MODE TENSIONER 15189230		06/22/2016		
68.	Dayco IP Holdings, LLC	METHODS FOR POST- MOLD PROCESSING A VENTURI DEVICE OR CHECK VALVE	15189922	06/22/2016		
69.	Dayco IP Holdings, LLC	DEVICES FOR PRODUCING VACUUM USING THE VENTURI EFFECT HAVING A PLURALITY OF SUBPASSAGEWAYS AND MOTIVE EXITS IN THE MOTIVE SECTION	15210190	07/14/2016		
70.	Dayco IP Holdings, LLC	RESTRICTORS USING 1524594 THE VENTURI EFFECT		08/24/2016		
71.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPERS HAVING A HUB WITH SPOKES ACTING AS A SECOND SPRING IN SERIES WITH AN ELASTOMERIC MEMBER	15248727	08/26/2016		
72.	Dayco IP Holdings, LLC	co IP Holdings, SELF-ALIGNING		09/16/2016		

No. Assignee		Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
73.	Dayco IP Holdings, LLC	VENTURI DEVICES RESISTANT TO ICE FORMATION FOR PRODUCING VACUUM FROM CRANKCASE GASES	15337454			
74.	Dayco IP Holdings, LLC	MAGNETICALLY ACTUATED SHUT- OFF VALVE	15416612			
75.	Dayco IP Holdings, LLC	TORSIONAL 15429611 VIBRATION DAMPERS				
76.	Dayco IP Holdings, LLC	NOISE ATTENUATION UNIT FOR ENGINE SYSTEMS	UNIT FOR ENGINE			
77.	Dayco IP Holdings, LLC	FLUIDIC DIODE CHECK VALVE	15448726			
78.	Dayco IP Holdings, LLC	TORSIONAL VIBRATION DAMPERS HAVING A PLURALITY OF ELAS- TOMERIC RING BUSHINGS				
79.	Dayco IP Holdings, LLC	Type font	29511304	12/09/2014	D766358	09/13/2016
80.	Dayco IP Holdings, LLC	VENTURI DEVICE	29530829			
81.	Dayco IP Holdings, LLC	Actuated valve	29533486	07/17/2015	D780296	02/28/2017
82.	Dayco IP Holdings, LLC	ACTUATED VALVE	29591027			
83.	Dayco IP Holdings, LLC	ACTUATED VALVE	29591029			
84.	Dayco IP Holdings, LLC	ACTUATED VALVE	29591032			
85.	Dayco IP Holdings, LLC	ACTUATED VALVE	29591034			
86.	Dayco IP Holdings, LLC	ACTUATED VALVE	29591037			
87.	Dayco IP Holdings, LLC	ASYMMETRIC SPOKE DESIGN FOR TORSIONAL VIBRATION DAMPERS	62328318			
88.	Dayco IP Holdings, LLC	IP Holdings, BYPASS VALVE IN AN APPARATUS FOR PRODUCING VACUUM				

No.	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
89.	Dayco IP Holdings, LLC	RADIAL VIBRATION DAMPERS HAVING A TUNING RATIO AND TUNING ANGLE	62373074			
90.	Dayco IP Holdings, LLC	VALVE GATE WITHIN A VENTURI GAP OF A VENTURI DEVICE FOR PRODUCING VACUUM	62397477			
91.	Dayco IP Holdings, LLC	LOW FREQUENCY TORSIONAL VI- BRATION DAMPER HAVING A FORMED HUB	62485652			

Canadian Patents and Patent Applications:

OWNER	STATUS	APPLICATION/ REGISTRATION NUMBER	PATENT
			VIN SCAN/CODE CATALOG AND
Dayco IP Holdings, LLC	Pending	2872509	INFORMATION LOOKUP
			LICENSE PLATE AND VIN SCAN/CODE
			CATALOG AND INFORMATION
Dayco IP Holdings, LLC	Pending	2868670	LOOKUP
Dayco IP Holdings, LLC	Pending	2876487	ACCESSORY DRIVE DECOUPLER
			DEFLECTED BEARING SHIELD AS A
			BEARING SEAL FOR A PULLEY
			ASSEMBLY AND METHOD OF
Dayco IP Holdings, LLC	Registered	2855311	ASSEMBLY
Dayco IP Holdings, LLC	Pending	2836603	MODULAR MOLDING SYSTEM

PATENT REEL: 042523 FRAME: 0413

RECORDED: 05/22/2017