

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Termination of Security Interest
CONVEYING PARTY DATA	
Name	Execution Date
Deutsche Bank Trust Company Americas, as collateral agent	12/18/2012
RECEIVING PARTY DATA	
Name:	Metaldyne, LLC
Street Address:	47659 Halyard Drive
City:	Plymouth
State/Country:	MICHIGAN
Postal Code:	48170
PROPERTY NUMBERS Total: 30	
Property Type	Number
Patent Number:	5231893
Patent Number:	5483932
Patent Number:	5678460
Patent Number:	5857388
Patent Number:	5987728
Patent Number:	6237442
Patent Number:	6626063
Patent Number:	6579492
Patent Number:	6915568
Patent Number:	7024751
Patent Number:	7410035
Patent Number:	7152623
Application Number:	11412520
Patent Number:	7753592
Patent Number:	7766035

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Patent Number:	7479086
Patent Number:	7758462
Patent Number:	7892133
Patent Number:	7479087
Application Number:	11801608
Patent Number:	8011899
Patent Number:	7708026
Application Number:	12082442
Patent Number:	8062012
Application Number:	12220028
Application Number:	12231950
Application Number:	12288230
Application Number:	12475992
Application Number:	12614927
Patent Number:	8235771

#### CORRESPONDENCE DATA

Fax Number: 3026365454  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 202-408-3121 x2348  
 Email: jpaterso@cscinfo.com  
 Correspondent Name: Corporation Service Company  
 Address Line 1: 1090 Vermont Avenue NW, Suite 430  
 Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	558169-7
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NAME OF SUBMITTER:	Jean Paterson
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#### Total Attachments: 8

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**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Deutsche Bank Trust Company Americas, as collateral agent

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) December 18, 2012

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other Termination of Security Interest

**2. Name and address of receiving party(ies)**

Name: Metaldyne, LLC

Internal Address: \_\_\_\_\_

Street Address: 47659 Halyard Drive

City: Plymouth

State: Michigan

Country: USA Zip: 48170

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

5231893 (see attached Schedule A)

Additional numbers attached? ☒ Yes ☐ No

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

Name: Corporation Service Company

Internal Address: Suite 210

Street Address: 1180 Avenue of the Americas

City: New York

State: NY Zip: 10036

Phone Number: 212-299-5600

Fax Number: 212-299-5656

Email Address: Order#

**6. Total number of applications and patents involved:** 30

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

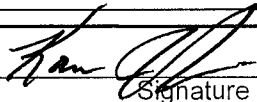
- ☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

3-4-13  
Date

Karen Joffrion

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Continuation of item No. 4 of  
Recordation Form Cover Sheet – Patents Only

Schedule A

Patents and Patent Applications

Title	Applic. No./ Filing Date	Pub. No./ Pub. Date	Patent No. Issue Date	Owner
DUAL MODE DAMPER	07/805381 12/10/1991		5231893 8/3/1993	Metaldyne, LLC
HOLLOW BALANCE SHAFT	08/230642 4/21/1994		5483932 1/16/1996	Metaldyne, LLC
ACTIVE TORSIONAL VIBRATION DAMPER	08/660343 6/4/1996		5678460 10/21/1997	Metaldyne, LLC
BALANCE SHAFTS HAVING MINIMAL MASS	08/677085 7/9/1996		5857388 1/12/1999	Metaldyne, LLC
METHOD OF FORMING A VEHICLE TRANSMISSION CLUTCH HOUSING	08/933389 9/19/1997		5987728 11/23/1999	Metaldyne, LLC
HIGH VALUE STATIC UNBALANCE-TYPE BALANCE SHAFTS	09/227952 1/11/1999		6237442 5/29/2001	Metaldyne, LLC
HIGH VALUE STATIC UNBALANCE-TYPE BALANCE SHAFTS	09/866240 5/25/2001	20010023623 9/27/2001	6626063 9/30/2003	Metaldyne, LLC
FORGED IN BUSHING ARTICLE AND METHOD OF MAKING	09/947981 9/6/2001	20030049151 3/13/2003	6579492 6/17/2003	Metaldyne, LLC
METHOD OF MANUFACTURING CONNECTING RODS	10/744275 12/23/2003	20040177502 9/16/2004	6915568 7/12/2005	Metaldyne, LLC
HOUSING AND METHOD OF MANUFACTURING SAID HOUSING	10/809200 3/25/2004	20040250406 12/16/2004	7024751 4/11/2006	Metaldyne, LLC
DAMPER AND METHOD FOR TUNING A DAMPER UTILIZING A SURFACE CONTACT REDUCING RESILIENT MEMBER	10/860871 6/4/2004	20050167213 8/4/2005	7410035 8/12/2008	Metaldyne, LLC
FLUID JET FOR PROVIDING FLUID UNDER PRESSURE TO A DESIRED LOCATION	10/914297 8/9/2004	20050072476 4/7/2005	7152623 12/26/2006	Metaldyne, LLC
TORSIONAL VIBRATION DAMPER	11/412520 4/27/2006	20060272446 12/7/2006		Metaldyne, LLC
BEARING CAP WITH WEIGHT REDUCTION FEATURES	11/520322 9/13/2006	20070081750 4/12/2007	7753592 7/13/2010	Metaldyne, LLC
FLUID JET FOR PROVIDING FLUID UNDER PRESSURE TO A DESIRED LOCATION	11/634489 12/6/2006	20080295900 12/4/2008	7766035 8/3/2010	Metaldyne, LLC
STRUCTURE OF DIFFERENTIAL HOUSING	11/726685 3/22/2007	20070225103 9/27/2007	7479086 1/20/2009	Metaldyne, LLC

Title	Applic. No./ Filing Date	Pub. No./ Pub. Date	Patent No. Issue Date	Owner
PIN RETENTION AND ASSEMBLY SYSTEM FOR LOCKING DIFFERENTIAL	11/726743 3/22/2007	20070225106 9/27/2007	7758462 7/20/2010	Metaldyne, LLC
OVER-CENTER LINKAGE FOR ENGAGING A LOCKING DIFFERENTIAL OR OTHER MECHANISM	11/731688 3/30/2007	20070249459 10/25/2007	7892133 2/22/2011	Metaldyne, LLC
PINION SHAFT AND DIFFERENTIAL HOUSING ASSEMBLY	11/732183 4/3/2007	20070249458 10/25/2007	7479087 1/20/2009	Metaldyne, LLC
INVERTED PRESSURE REGULATING VALVE FOR AN ENGINE OIL PUMP	11/801608 5/10/2007	20080025851 1/31/2008		Metaldyne, LLC
COMPACT PUMP ARRANGEMENT	11/809361 5/31/2007	20080072850 3/27/2008	8011899 9/6/2011	Metaldyne, LLC
FLUID JET WITH NOISE REDUCING SLEEVE	12/006363 1/2/2008	20080210314 9/4/2008	7708026 5/4/2010	Metaldyne, LLC
SINGLE MASS DUAL MODE CRANKSHAFT DAMPER WITH TUNED HUB	12/082442 4/11/2008	20090145261 6/11/2009		Metaldyne, LLC
ELASTOMERIC SEAL SIZER	12/156781 6/4/2008	20090041882 2/12/2009	8062012 11/22/2011	Metaldyne, LLC
SUPPORT STRUCTURE FOR DIFFERENTIAL	12/220028 7/21/2008	20090075777 3/19/2009		Metaldyne, LLC
PISTON COOLING JET WITH TRACKING BALL ORIFICE	12/231950 9/8/2008	20100001103 1/7/2010		Metaldyne, LLC
DIFFERENTIAL ASSEMBLY AND METHOD FOR MANUFACTURING SAME	12/288230 10/17/2008	20090105031 4/23/2009		Metaldyne, LLC
VARIABLE OUTPUT FLUID PUMP SYSTEM	12/475992 6/1/2009	20090297363 12/3/2009		Metaldyne, LLC
POWDER METAL ROCKER ARM	12/614927 11/9/2009	20100170463 7/8/2010		Metaldyne, LLC
METHOD AND APPARATUS FOR HONING A WORKPIECE AND A WORKPIECE	12/542489 8/17/2009	20100041320 2/18/2010	8235771 8/7/2012	Metaldyne, LLC

**TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS**

**THIS TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS** (this "Termination"), is dated as of December 18, 2012 and made by **Deutsche Bank Trust Company Americas**, as collateral agent (the "Collateral Agent") to **Metaldyne, LLC**, a Delaware limited liability company ("Grantor").

WHEREAS, pursuant to that certain Patents Security Agreement, dated as of May 18, 2011, made by the Grantor in favor of the Collateral Agent (the "Patents Security Agreement"), a security interest was granted by the Grantor to the Collateral Agent in certain collateral, including the Patents (as hereinafter defined);

WHEREAS, the Patents Security Agreement was recorded with the United States Patent and Trademark Office on May 31, 2011, at Reel 026362 and Frame 0100; and

WHEREAS, the Collateral Agent now desires to terminate and release the Patents Security Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, and upon the terms set forth in this Termination, the Collateral Agent hereby states as follows.

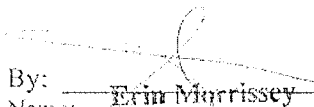
1. Definitions. The term "Patents," as used herein, shall mean (i) all of the Grantor's right, title and interest in, to and under the United States patents and patent applications set forth on Schedule A attached hereto, in each case together with (ii) all Proceeds (as defined in the Patents Security Agreement) and products of any of the foregoing and (iii) all causes of action for past, present, or future infringement of any of the foregoing or unfair competition regarding the same.

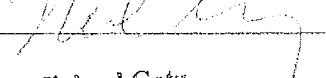
2. Release of Security Interest. The Collateral Agent hereby (i) terminates the Patents Security Agreement and (ii) terminates, releases and discharges its security interest in the Patents. The Grantor authorizes and requests that the Commissioner of Patents and Trademarks record this Termination.

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IN WITNESS WHEREOF, each of the Grantor and Collateral Agent has caused this Termination to be executed by its duly authorized officer as of the date first written above.

DEUTSCHE BANK TRUST COMPANY AMERICAS,  
as Collateral Agent

By:   
Name: Erin Morrissey  
Title: Director

By:   
Name: Michael Getz  
Title: Vice President

Signature Page to Termination and Release of Security Interest in Patents - DB

ACKNOWLEDGED AND ACCEPTED:

METALDYNE, LLC, as Grantor

By: 

Name: Thomas A. Amato

Title: President and Chief Executive Officer



**Schedule A**

**Patents and Patent Applications**

<b>Title</b>	<b>Applic. No./ Filing Date</b>	<b>Pub. No./ Pub. Date</b>	<b>Patent No. Issue Date</b>	<b>Owner</b>
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