

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Metaldyne Corporation	10/16/2009
Metaldyne Company LLC	10/16/2009
Metaldyne Sintered Components, LLC	10/16/2009
NC-M Chassis Systems, LLC	10/16/2009
Metaldyne Tubular Products, Inc.	10/16/2009
Metaldyne Machining and Assembly Company, Inc.	10/16/2009

RECEIVING PARTY DATA

Name:	Metaldyne BSM, LLC
Street Address:	47659 Halyard Drive
City:	Plymouth
State/Country:	MICHIGAN
Postal Code:	48170

PROPERTY NUMBERS Total: 7

Property Type	Number
Application Number:	12113592
Application Number:	11895002
Application Number:	11475330
Patent Number:	6682437
Patent Number:	5918573
Patent Number:	6170453
Patent Number:	7086366

CORRESPONDENCE DATA

Fax Number: (312)862-2200
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 312-862-6371

500993873

**PATENT
 REEL: 023401 FRAME: 0221**

CH \$280.00 12113592

Email: renee.prescan@kirkland.com
Correspondent Name: Renee Prescan
Address Line 1: 300 North LaSalle Street
Address Line 2: Kirkland & Ellis LLP
Address Line 4: Chicago, ILLINOIS 60654

ATTORNEY DOCKET NUMBER:

10313-6 RMP_CK

NAME OF SUBMITTER:

Renee M. Prescan

Total Attachments: 7

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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment") is made and entered into as of this 16th day of October, 2009 (the "Effective Date"), by and among Metaldyne Corporation, a Delaware corporation, Metaldyne Company LLC, a Delaware limited liability company, Metaldyne Sintered Components, LLC, a Delaware limited liability company, NC-M Chassis Systems, LLC, a Delaware limited liability company, Metaldyne Tubular Products, Inc., a Michigan corporation, Metaldyne Machining and Assembly Company, Inc., a Michigan corporation (collectively, "Assignors" and each, individually, an "Assignor"), and Metaldyne BSM, LLC, a Delaware limited liability company ("Assignee").

WHEREAS, Assignors are the sole and exclusive owners of the entire right, title and interest in and to the United States patents and patent applications set forth on Schedule A attached hereto and the foreign patents and patent applications set forth on Schedule B attached hereto (collectively, the "Patents"); and

WHEREAS, Assignee wishes to acquire from Assignors, and Assignors wish to assign to Assignee, the entire right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, transfer and set over to Assignee, the entire right, title and interest in and to the Patents, for the United States and for all applicable foreign countries, including, without limitation, any continuations, divisions, continuations-in-part, reissues, reexaminations, extensions and foreign equivalents thereof, and all other corresponding rights that are or may be secured under the laws of the United States or any applicable foreign country, now or hereafter in effect, including, without limitation, the subject matter of all claims which may be obtained therefrom, together with all income, royalties, damages or payments accrued, due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for, and collect the same, in each case, for Assignee's own use and enjoyment and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment had not been made.

Assignors hereby authorize and request the Commissioner of Patents and Trademarks, and the corresponding entities or agencies in any applicable foreign countries, to record Assignee as the assignee and owner of the Patents.

Assignors shall use commercially reasonable efforts to provide to Assignee, its successors, assigns and other legal representatives, all such cooperation and assistance at Assignee's request and expense to the extent any out-of-pocket costs are incurred by Assignee (including, without limitation, the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney and other documentation) to more fully and effectively effectuate the purposes of this Assignment, including, without limitation, with respect to: (i) Assignee's preparation and prosecution of any applications covering the inventions

assigned herein; (ii) Assignee's prosecution or defense of any interference, opposition, reexamination, reissue, infringement or other proceedings that may arise in connection with any of the rights assigned herein, including, without limitation, testifying as to any facts relating to any of the rights assigned herein and this Assignment; (iii) Assignee's attempts to obtain any additional patent protection relating to rights assigned herein that may be secured under the laws now or hereafter in effect in the United States or in any other country; and (iv) the implementation or perfection of this Assignment by Assignee in all applicable jurisdictions throughout the world.

This Assignment shall be governed by, and construed and enforced in accordance with, chapter 11 of title 11 of the United States Code, §§ 101, et. seq. (as amended, the "Bankruptcy Code") and, to the extent not inconsistent with the Bankruptcy Code, the laws of the State of New York, without regard to the conflicts of law rules of such state, other than Section 5-1401 of the New York General Obligations Law.

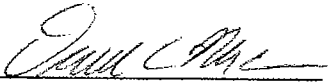
This Assignment may be executed in counterparts, each of which shall be deemed an original and all of which shall together constitute one and the same instrument, and shall become effective when one or more counterparts have been signed by any Assignor and delivered to Assignee. Delivery of an executed signature page to this Assignment by facsimile or other electronic transmission shall be as effective as delivery of a manually executed counterpart to this Assignment.

* * * * *

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives as of the date first written above.

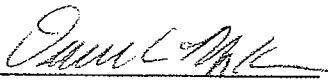
ASSIGNOR:

Metaldyne Corporation

By: 
Name: David L. McKee
Title: General Counsel and Secretary

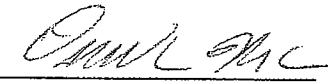
ASSIGNOR:

Metaldyne Company LLC

By: 
Name: David L. McKee
Title: General Counsel and Secretary

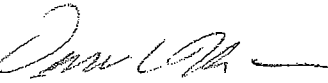
ASSIGNOR:

Metaldyne Sintered Components, LLC

By: 
Name: David L. McKee
Title: General Counsel and Secretary

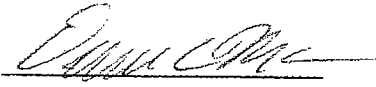
ASSIGNOR:

NC-M Chassis Systems, LLC

By: 
Name: David L. McKee
Title: General Counsel and Secretary

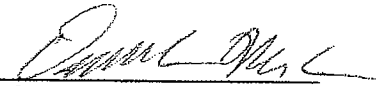
ASSIGNOR:

Metaldyne Tubular Products, Inc.

By: 
Name: David L. McKee
Title: General Counsel and Secretary

ASSIGNOR:

Metaldyne Machining and Assembly Company, Inc.

By: 
Name: David L. McKee
Title: General Counsel and Secretary

ASSIGNEE:

Metaldyne BSM, LLC

By: _____
Name: _____
Title: _____

ASSIGNOR:

Metaldyne Tubular Products, Inc.

By: _____
Name: _____
Title: _____

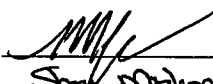
ASSIGNOR:

Metaldyne Machining and Assembly Company, Inc.

By: _____
Name: _____
Title: _____

ASSIGNEE:

Metaldyne BSM, LLC

By:  _____
Name: Shay Mahmood
Title: Vice President & Secretary

SCHEDULE A

U.S. PATENTS AND PATENT APPLICATIONS

Title	Application No./ Filing Date	Patent No./ Issue Date	Owner
Cavitation-deterri energy-efficient fluid pump system and method of operation	12/113592 5/1/2008		Metaldyne Company LLC
Static unbalance-type balance shafts with axis alignment preservation	10/047487 1/14/2002	6682437 1/27/2004	Metaldyne Machining and Assembly Company, Inc.
ENERGY EFFICIENT FLUID PUMP	09/069807 4/30/1998	5918573 7/6/1999	Metaldyne Machining and Assembly Company, Inc.
OIL/AIR SCAVENGING SYSTEM FOR BALANCE SHAFT HOUSINGS	09/343396 6/30/1999	6170453 1/9/2001	Metaldyne Machining and Assembly Company, Inc.
Energy efficient fluid pump	09/489525 1/21/2000	7086366 8/8/2006	Metaldyne Machining and Assembly Company, Inc.
Debris flush system for balance shaft bearings	11/895002 8/22/2007		Metaldyne Company LLC
Gear-driven balance shaft apparatus with backlash control	11/475330 6/27/2006		Metaldyne Company LLC

SCHEDULE B

FOREIGN PATENTS AND PATENT APPLICATIONS

Title	Country	Application No./ Filing Date	Patent No./ Issue Date	Owner
Gear-driven balance shaft apparatus with backlash control	China	200680030980.3		Metaldyne Company LLC
MULTIPLE PUMP CONTROL ARRANGEMENT	European Patent Germany	98918928 5/1/1998	991865 10/26/2005	Metaldyne Machining and Assembly Company, Inc.
OIL/AIR SCAVENGING SYSTEM FOR BALANCE SHAFT HOUSINGS	Germany	19983328 6/30/1999		Metaldyne Machining and Assembly Company, Inc.
Energy efficient fluid pump	Germany	10085413 8/29/2000		Metaldyne Machining and Assembly Company, Inc.
Gear-driven balance shaft apparatus with backlash control	Germany	112006001731.4		Metaldyne Company LLC
MULTIPLE PUMP CONTROL ARRANGEMENT	Great Britain	199929336 5/1/1998	2344620 8/8/2001	Metaldyne Machining and Assembly Company, Inc.
OIL/AIR SCAVENGING SYSTEM FOR BALANCE SHAFT HOUSINGS	Great Britain	200031689 6/30/1999	2354803 10/16/2002	Metaldyne Machining and Assembly Company, Inc.
Energy efficient fluid pump	Great Britain	200216675 8/29/2000	2378482 7/21/2004	Metaldyne Machining and Assembly Company, Inc.
Cavitation-deterrig energy-efficient fluid pump system and method of operation	PCT	PCT/US08/0624 01 5/2/2008		Metaldyne Company LLC
Improved energy efficient fluid pump	South Korea	1020027009338 7/19/2002	10075389700 00 8/24/2007	Metaldyne Machining and Assembly Company, Inc.