

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Security Agreement
CONVEYING PARTY DATA	
Name	Execution Date
METALDYNE TUBULAR PRODUCTS, INC.	01/11/2007
RECEIVING PARTY DATA	
Name:	The Bank of New York Trust Company, N.A.
Street Address:	2 N. LaSalle Street
Internal Address:	Suite 1020
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60602
PROPERTY NUMBERS Total: 9	
Property Type	Number
Patent Number:	6324838
Patent Number:	5471857
Patent Number:	5485737
Patent Number:	5743011
Patent Number:	6651425
Patent Number:	6581377
Patent Number:	5524906
Application Number:	11184372
Application Number:	10970678
CORRESPONDENCE DATA	
Fax Number:	(866)459-2899
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-783-2700
Email:	carey.lening@federalresearch.com

CH \$360.00 6324838

Correspondent Name: CBCInnovis dba Federal Research
Address Line 1: 1023 Fifteenth Street, NW, Ste 401
Address Line 2: attn: Carey Lening
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:

379505

NAME OF SUBMITTER:

LaKeeshia Saunders

Total Attachments: 6

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RECORDATION FORM COVER SHEET
PATENTS ONLY

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

METALDYNE TUBULAR PRODUCTS, INC.

2. Name and address of receiving party(ies)

Name: THE BANK OF NEW YORK TRUST COMPANY, N.A.

Internal Address: _____

Street Address: 2 N. LASALLE ST., SUITE 1020

City: CHICAGO State: IL Zip: 60602

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

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

3. Nature of conveyance:

☐ Assignment

☐ Merger

☒ Security Agreement

☐ Change of Name

☐ Other _____

Execution Date: JANUARY 11, 2007

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) _____

PLEASE SEE ATTACHED

B. Patent No.(s) _____

PLEASE SEE ATTACHED

Additional numbers attached? ☒ Yes ☐ No

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

Name: Oleh Hereliuk

Internal Address: Federal Research Corporation

Street Address: 1023 15th Street, NW

Suite 401

City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved: 9

7. Total fee (37 CFR 3.41).....\$ _____

☐ Enclosed

☐ Authorized to be charged to deposit account

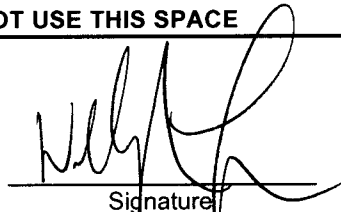
8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Wellington Lyons

Name of Person Signing



Signature

FEBRUARY 28, 2007

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

GRANT OF
SECURITY INTEREST IN PATENT RIGHTS

THIS GRANT OF SECURITY INTEREST IN PATENT RIGHTS ("Agreement"), effective as of January 11, 2007, is made by Metaldyne Tubular Products, Inc., a Michigan corporation (the "Grantor"), in favor of the Bank of New York, N.A., as collateral agent (the "Agent") for the Secured Parties (as defined in the Security Agreement described below).

W I T N E S S E T H

WHEREAS, pursuant to the Indenture dates as of October 27, 2003, as amended by the First Supplemental Indenture dated as of December 18, 2006 (the "First Supplemental Indenture") and the Second Supplemental Indenture dated as of January 11, 2007, among Metaldyne Corporation, a Delaware corporation (the "Company"), the Guarantors (as defined therein) and The Bank of New York Trust Company, N.A., as trustee, pursuant to which the Company's 10% senior notes due 2013 were issued (the "Indenture");

WHEREAS, pursuant to the First Supplemental Indenture, the Guarantors have executed and delivered a Security Agreement, dated as of January 11, 2007, in favor of the Agent (together with all amendments and modifications, if any, from time to time thereafter made thereto, the "Security Agreement"), subject to the terms of the Intercreditor Agreement;

WHEREAS, pursuant to the Security Agreement, the Grantor pledged and granted to the Agent for the benefit of the Secured Parties a continuing security interest in its Intellectual Property, including the Patents; and

WHEREAS, the Grantor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Grantor agrees, for the benefit of the Agent and the Lenders, as follows:

SECTION 1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Security Agreement.

SECTION 2. Grant of Security Interest. The Grantor hereby pledges and grants a continuing security interest in the Patents (including, without limitation, those items listed on Schedule A hereto), to the Agent for the ratable benefit of the Secured Parties to secure the Obligations.

SECTION 3. Purpose. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the United States

Patent and Trademark Office. The security interest granted hereby has been granted to the Secured Parties in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. The Security Agreement (and all rights and remedies of the Secured Parties thereunder) shall remain in full force and effect in accordance with its terms.

SECTION 4. Acknowledgment. The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Lenders with respect to the security interest in the Patents granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein.

SECTION 5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original.

IN WITNESS WHEREOF, the parties hereto have caused this Grant of Security Interest in Patent Rights to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

METALDYNE TUBULAR PRODUCTS, INC.

By: 
Name: _____
Title: _____

THE BANK OF NEW YORK TRUST
COMPANY, N.A.

By: _____
Name: _____
Title: _____

IN WITNESS WHEREOF, the parties hereto have caused this Grant of Security Interest in Patent Rights to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

METALDYNE TUBULAR PRODUCTS, INC.

By: _____
Name:
Title:

THE BANK OF NEW YORK TRUST
COMPANY, N.A.

By: 
Name: **ROXANE ELLWANGER**
Title: **Assistant Vice President**

SCHEDULE A

U.S. Patent Registrations and Applications

Country	Status	Application No.	Patent No.
USA	Pending	11/184,372	N/A
USA	Pending	10/970,678	N/A
USA	Issued	N/A	6,324,838
USA	Issued	N/A	5,471,857
USA	Issued	N/A	5,485,737
USA	Issued	N/A	5,743,011
USA	Issued	N/A	6,651,425
USA	Issued	N/A	6,581,377
USA	Issued	N/A	5,524,906

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