

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI813035

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	Notice of Successor Agent and Assignment of Security Interest at Reel/Frame 058966/0256	
CONVEYING PARTY DATA		
Name		Execution Date
Bank of America, N.A., as the Resigning Agent		02/06/2025
RECEIVING PARTY DATA		
Company Name:	Wells Fargo Bank, National Association, as Successor Agent	
Street Address:	MAC D1109-019, 1525 West W.T. Harris Blvd.	
City:	Charlotte	
State/Country:	NORTH CAROLINA	
Postal Code:	28262	
PROPERTY NUMBERS Total: 12		
Property Type	Number	
Patent Number:	11215245	
Patent Number:	11187282	
Patent Number:	10995803	
Patent Number:	10989257	
Patent Number:	10968964	
Patent Number:	10933736	
Application Number:	17331291	
Application Number:	17171067	
Application Number:	17344480	
Application Number:	17171027	
Application Number:	17105735	
Application Number:	16596143	
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Phone:	8007130755	
Email:	Michael.Violet@wolterskluwer.com	
Correspondent Name:	Michael Violet	
Address Line 1:	4400 Easton Commons Way	

PATENT

Address Line 2: Suite 125
Address Line 4: Columbus, OHIO 43219

NAME OF SUBMITTER: Michael Violet

SIGNATURE: /Michael Violet/

DATE SIGNED: 02/10/2025

Total Attachments: 95

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**NOTICE OF SUCCESSOR AGENT AND ASSIGNMENT OF SECURITY INTEREST IN
INTELLECTUAL PROPERTY**

This NOTICE OF SUCCESSOR AGENT AND ASSIGNMENT OF SECURITY INTEREST IN INTELLECTUAL PROPERTY (this “Notice”), dated as of February 6, 2025, from BANK OF AMERICA, N.A. (“Bank of America”), as Administrative Agent and Swing Line Lender (and formerly as Collateral Agent) under the Credit Agreement (as defined below) (in such capacity, the “Resigning Agent”), to WELLS FARGO BANK, NATIONAL ASSOCIATION (“Wells Fargo”) in its capacity as Successor Agent (as defined in the Agency Transfer Agreement (as defined below)) pursuant to the Agency Transfer Agreement.

WHEREAS, the Borrower, the Guarantors, the Lenders, the L/C Issuers, and the Resigning Agent, as Administrative Agent, Swing Line Lender and an L/C Issuer are party to that certain Seventh Amended and Restated Credit Agreement, dated as of January 28, 2022 (as amended, amended and restated, modified, extended, restated, replaced, or supplemented from time to time, the “Credit Agreement”; capitalized terms used herein and not otherwise defined shall have the meanings set forth in the Credit Agreement or in the Agency Transfer Agreement, as applicable);

WHEREAS, pursuant to the Loan Documents, the Borrower and the Guarantors granted to the Resigning Agent a security interest in certain collateral;

WHEREAS, (i) certain of the Loan Parties granted security interests in specified intellectual property to the Resigning Agent and (ii) Citicorp North America, Inc., in its capacity as resigning collateral agent, assigned to the Resigning Agent security interests in specified intellectual property, in each case, by entering into the intellectual property security interest documentation identified on Schedule I attached hereto (the “IP Security Interest Documentation”);

WHEREAS, the IP Security Interest Documentation was recorded with the United States Patent and Trademark Office and U.S. Copyright Office, as applicable, as identified on Schedule I attached hereto; and

WHEREAS, pursuant to that certain Agency Transfer Agreement, dated as of the same date hereof (the “Agency Transfer Agreement”), the Resigning Agent resigned as Administrative Agent and Swing Line Lender under the Credit Agreement and the other Loan Documents, and transferred, assigned, granted and conveyed unto the Successor Agent all of its right, title and interest in and to the Collateral Documents, together with any rider, addendum, exhibit, schedule and attachment thereto, and all Uniform Commercial Code financing statements filed in connection therewith, and the Collateral, together with all attendant liens, rights, title, assignments and interests (including security interests) pertaining to or arising from the Collateral Documents, in each case without representation, warranty or recourse except as otherwise expressly set forth in the Agency Transfer Agreement, including with respect to all rights and interests in and to the IP Security Interest Documentation and the Collateral set forth in the IP Security Interest Documentation.

NOW, THEREFORE, the parties agree as follows:

1. Succession and Replacement of Agency. Pursuant to the terms and conditions set forth in the Agency Transfer Agreement, the Resigning Agent resigned as Administrative Agent and Swing Line Lender under the Credit Agreement and the other Loan Documents, and transferred, assigned, granted and conveyed unto the Successor Agent all of its right, title and interest in and to the Collateral Documents, together with any rider, addendum, exhibit, schedule and attachment thereto, and all Uniform Commercial Code financing statements filed in connection therewith, and the Collateral, together with all attendant liens,

rights, title, assignments and interests (including security interests) pertaining to or arising from the Collateral Documents, in each case without representation, warranty or recourse except as otherwise expressly set forth in the Agency Transfer Agreement, including with respect to all rights and interests in and to the IP Security Interest Documentation and the Collateral set forth in the IP Security Interest Documentation.

2. Incorporation. All terms set forth in the Agency Transfer Agreement are hereby incorporated herein by reference with the same force and effect as though fully set forth herein. To the extent that the terms set forth herein are inconsistent with the terms of the Agency Transfer Agreement, the terms set forth in Agency Transfer Agreement shall control.

3. Recitals. Each of the parties hereto hereby agrees that each of the recitals contained at the beginning of this Notice is true and correct and forms a part of this Notice.

4. Counterparts; Electronic Execution. This Notice may be in the form of an Electronic Record and may be executed using Electronic Signatures (including facsimile and .pdf) and shall be considered an original, and shall have the same legal effect, validity and enforceability as a paper record. This Notice may be executed in as many counterparts as necessary or convenient, including both paper and electronic counterparts, but all such counterparts are one and the same agreement. The authorization under this Section 4 may include use or acceptance by the Resigning Agent and the Successor Agent of a manually signed paper copy of this Notice which has been converted into electronic form (such as scanned into .pdf format), or an electronically signed copy of this Notice converted into another format, for transmission, delivery and/or retention. The provisions set forth in Section 11.16 of the Credit Agreement are hereby incorporated by reference, *mutatis mutandis*.

5. GOVERNING LAW. THIS NOTICE AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSE OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS NOTICE AND THE TRANSACTIONS CONTEMPLATED HEREBY SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

6. Consent to Jurisdiction; Service of Process; Waiver of Jury Trial. The terms of Sections 11.14 and 11.15 of the Credit Agreement with respect to submission to jurisdiction, waiver of venue and waiver of jury trial are incorporated herein by reference, *mutatis mutandis*, and the parties hereto agree to such terms.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the parties hereto have caused this Notice to be executed and delivered by their respective duly authorized officers as of the date first above written.

RESIGNING AGENT:

BANK OF AMERICA, N.A., as the Resigning Agent

By: _____

Name:

Title:

Felicia Brinson
Felicia Brinson
Assistant Vice President

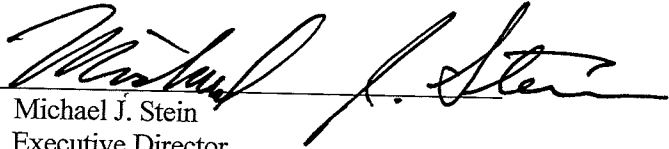
[SIGNATURE PAGES CONTINUE]

IP NOTICE OF SUCCESSOR AGENT
AMSTED INDUSTRIES INCORPORATED

PATENT
REEL: 070160 FRAME: 0844

SUCCESSOR AGENT:

WELLS FARGO BANK, NATIONAL ASSOCIATION, as
the Successor Agent

By: 
Name: Michael J. Stein
Title: Executive Director

[SIGNATURE PAGES END]

Schedule I

**Notice of Grant of Security Interest in Patents
Granted by TruckLabs, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded January 16, 2024 at Reel 066338 Frame 0228**

Issued Patents

Title	Patent No.	Issue Date
DEPLOYABLE FAIRING SYSTEM FOR USE WITH VEHICLES	11834105	12/05/2023
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	11760427	09/19/2023
AERODYNAMIC SYSTEM FOR VEHICLES AND METHODS FOR OPERATING THE SAME	11639204	05/02/2023
DEPLOYABLE FAIRING SYSTEM FOR USE WITH VEHICLES	11427267	08/30/2022
DEPLOYABLE FAIRING SYSTEM FOR USE WITH VEHICLES	11396334	07/26/2022
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	10899397	01/26/2021
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	10583874	03/10/2020
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	10137945	11/27/2018
SYSTEM, METHOD AND ARTICLE FOR USE WITH COUPLED VEHICLES	8167358	05/01/2012

Patent Applications

Title	Appl. No.	Filing Date
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	18384470	10/27/2023
DEPLOYABLE FAIRING FOR USE WITH VEHICLES	18233681	08/14/2023
AERODYNAMIC SYSTEM FOR VEHICLES AND METHODS FOR OPERATING THE SAME	18141875 20230347992	05/01/2023

Notice of Grant of Security Interest in Patents
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 058966 Frame 0235

Issued Patents

Title	Patent No.	Issue Date
RAILWAY TRUCK ASSEMBLY HAVING CORELESS I-BEAM BOLSTER	11225273	01/18/2022
RAILWAY TRUCK ASSEMBLY HAVING I-BEAM COMPONENTS	11225272	01/18/2022
DAMPING SYSTEM FOR A RAILWAY TRUCK ASSEMBLY	11225271	01/18/2022
RAILWAY TRUCK ASSEMBLY HAVING FRICTION ASSIST SIDE BEARINGS	11198457	12/14/2021
DISCHARGE GATE SENSING METHOD, SYSTEM AND ASSEMBLY	11180170	11/23/2021
RAIL CAR TERMINAL FACILITY STAGING	11030568	06/08/2021
RAIL CAR TERMINAL FACILITY STAGING PROCESS	10943318	03/09/2021
ROLLER BEARING SEAL ASSEMBLY AND A COMPONENT THEREOF	10711842	07/14/2020
APPARATUS FOR MANAGING TRANSPORTATION VEHICLES	10628787	04/21/2020
ARTICULATED CONNECTOR	D856191	08/13/2019
AXLE ROLLER BEARING SEAL SHROUD	10330156	06/25/2019

Patent Applications

Title	Appl. / Publ. No.	Filing Date
DEVICE WITH A HIGH-TEMPATURE INDICATOR FOR A WHEELEND SYSTEM	17573352	01/11/2022
SENSING METHOD, SYSTEM AND ASSEMBLY FOR RAILWAY ASSETS	17510096	10/25/2021
DISCHARGE GATE SENSING METHOD AND ASSEMBLY	17508528	10/22/2021
RAILWAY ASSET MONITORING APPARATUS AND METHODS	63244716	09/15/2021
FASTENER FOR POSITIONING OF A BEARING	17406000	08/18/2021
CRASH ENERGY MANAGEMENT SYSTEMS FOR CAR COUPLING SYSTEMS OF RAIL CARS	17399137	08/11/2021
ROLLER BEARING SEAL CASE	17366567	07/02/2021
SYSTEMS AND METHODS FOR RAILWAY ASSET MANAGEMENT	17362174 20220009535	06/29/2021
COORDINATED BRAKING SYSTEMS AND METHODS FOR RAIL CARS	17242412	04/28/2021
SYSTEMS AND METHODS FOR POLISHING A CYLINDRICAL LIP-SEAL SURFACE	17233146 20210323110	04/16/2021
BI-DIRECTIONAL LEATHER SEALING LIP FEATURE	63164195	03/22/2021

MOBILE RAILWAY ASSET MONITORING APPARATUS AND METHODS	17206899 20210291882	03/19/2021
RAILWAY TRUCK WITH RELEASABLE BEARING ADAPTER	63162396	03/17/2021
RAILWAY ASSET MONITORING APPARATUS AND METHODS	63161964	03/16/2021
END GUIDE SYSTEM AND METHOD FOR A TRUCK ASSEMBLY OF A RAIL VEHICLE	17190625 20210300444	03/03/2021
USING AUGMENTED REALITY FOR RAILCAR MANAGEMENT	63153652	02/25/2021
CRASH ENERGY MANAGEMENT SYSTEMS FOR CAR COUPLING SYSTEMS OF RAIL CARS	17183404	02/24/2021
CRASH ENERGY MANAGEMENT SYSTEMS FOR CAR COUPLING SYSTEMS OF RAIL CARS	17161843	01/29/2021
ROLLER BEARING SEAL ASSEMBLY AND A COMPONENT THEREOF	17100259	11/20/2020
HYPERELASTIC VOLUMETRIC COMPRESSION	17079812	10/26/2020
RAIL CAR TERMINAL FACILITY STAGING	17070561 20210042693	10/14/2020
DOUBLE FRICTION DRAFT GEAR ASSEMBLY	17007317 20210284205	08/31/2020
SYSTEMS AND METHODS FOR MONITORING BRAKE SYSTEMS ON RAILWAY ASSETS	16999555 20210053548	08/21/2020
LABYRINTH SEAL WITH INTERLOCKING ROTOR AND SEAL CASE INSERT	16994507 20210048071	08/14/2020
GASKET FOR HATCH COVER ASSEMBLY OF A RAIL CAR	16936560 20210039687	07/23/2020
TEMPERATURE-ROBUST POLYMER SHROUD FOR ROLLER BEARING SEAL	16925219 20200340719	07/09/2020
APPARATUS FOR LOCATING A MOBILE RAILWAY ASSET	16868523 202003535961	05/06/2020
RAILWAY VEHICLE COUPLER	16716564 20200198670	12/17/2019
LOAD SENSING SYSTEM FOR A RAILWAY TRUCK ASSEMBLY	16660149 20200132537	10/22/2019
SYSTEM AND METHOD FOR BUILDING AND MANAGING A TRAIN CONSIST	16513916 20200023870	07/17/2019
BRAKE MONITORING SYSTEMS FOR RAILROADS	16510838 20200079343	07/12/2019
AUTONOMOUS OPTIMIZATION OF INTRA-TRAIN COMMUNICATION NETWORK	16387029 20190319835	04/17/2019
RAILWAY TRUCK ASSEMBLY HAVING FORCE-DETECTING LOAD CELLS	16331192 20210362755	03/07/2019

Notice of Grant of Security Interest in Patents
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 058966 Frame 0244

Issued Patents

Title	Patent No.	Issue Date
AUTOMATED CONTROL OF HEAT EXCHANGER OPERATION	11092394	08/17/2021
COOLING TOWER WATER DISTRIBUTION SYSTEM	10627176	04/21/2020

Patent Applications

Title	Appl. / Publ. No.	Filing Date
WATER COLLECTION/DEFLECTION ARRANGEMENT	16945282 20200363145	07/31/2020
COOLING TOWER CONTROL SYSTEM	17318431 20210356221	05/12/2021
HEAT EXCHANGER HAVING PLUME ABATEMENT ASSEMBLY BYPASS	16824168 20200300553	03/19/2020
HEAT EXCHANGER SYSTEM WITH MACHINE-LEARNING BASED OPTIMIZATION	17118818 20210180891	12/11/2020

Notice of Grant of Security Interest in Patents
Granted by Consolidated Metco, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 058966 Frame 0250

Issued Patents

Title	Patent No.	Issue Date
SEAL CASE WITH OVER-MOLDED RUBBER GASKET SECURING PLASTIC WAFER	11085493	08/10/2021
WHEEL COVER	10919337	02/16/2021

Patent Applications

Title	Appl. / Publ. No.	Filing Date
COMMERCIAL VEHICLE BRAKE ROTOR	17307337 20210348662	05/04/2021
WHEEL HUB ASSEMBLY	17084786 20210129582	10/30/2020
WHEEL HUB WITH INTEGRATED CIRCULAR BRAKE ELEMENT	16984697 20210039434	08/04/2020
WHEEL END MONITORING APPARATUS, FASTENER, AND METHOD	17065985 20210110620	10/08/2020
SLEEPER BUNK SYSTEM	16911505 20200406810	06/25/2020
DRY-LUBRICATING LEAD-IN EDGE FOR PRESS-FIT ASSEMBLIES AND ASSOCIATED METHODS	16911016 20200400194	06/24/2020
FILTER FOR PROTECTING BEARING SYSTEM AND ASSOCIATED DRIVE WHEEL END	16858162 20200340534	04/24/2020
BAGGAGE DOOR	16828245 20200307362	03/24/2020
WHEEL COVER	16800335 20200276860	02/25/2020
BEARING SEAL WITH POLYTETRAFLUOROETHYLENE THRUST BUMPER	16378173 20200102984	04/08/2019

Notice of Grant of Security Interest in Patents
Granted by Means Industries, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 058966 Frame 0256

Issued Patents

Title	Patent No.	Issue Date
COUPLING AND CONTROL ASSEMBLY INCLUDING CONTROLLABLE COUPLING ASSEMBLY HAVING SPEED SENSOR AND METHODS OF CONTROLLING THE CONTROLLABLE COUPLING ASSEMBLY USING INFORMATION FROM THE SPEED SENSOR FOR PARK/HILL-HOLD OPERATIONS	11215245	01/04/2022
HIGH-SPEED, OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER WHICH PIVOTALLY MOVES WITH SUBSTANTIALLY REDUCED FRICTION	11187282	11/30/2021
ELECTROMAGNETIC SYSTEM FOR CONTROLLING THE OPERATING MODE OF A NON FRICTION COUPLING ASSEMBLY AND COUPLING AND MAGNETIC CONTROL ASSEMBLY HAVING SAME	10995803	05/04/2021
OVERRUNNING COUPLING AND CONTROL ASSEMBLY AND SYSTEM TO PREVENT THE UNCOMMANDED ENGAGEMENT OF THE ASSEMBLY	10989257	04/27/2021
COUPLING AND CONTROL ASSEMBLY HAVING AN INTERNAL LATCHING MECHANISM	10968964	04/06/2021
DRIVE SYSTEM INCLUDING A TRANSMISSION HAVING A PLURALITY OF DIFFERENT OPERATING MODES	10933736	03/02/2021

Patent Applications

Title	Appl. / Publ. No.	Filing Date
COUPLING ASSEMBLY AND RATCHETING LOCKING MEMBER FOR USE THEREIN	17331291 20210372491	05/26/2021
COUPLING AND CONTROL ASSEMBLY INCLUDING A NON-CONTACT, INDUCTIVE DISPLACEMENT SENSOR	17171067 20210302205	02/09/2021
NON-FRICTION COUPLING AND CONTROL ASSEMBLY, ENGAGEABLE COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE IN THE ASSEMBLIES	17344480 20210301886	06/10/2021
COUPLING AND CONTROL ASSEMBLY INCLUDING A NON-CONTACT, LINEAR INDUCTIVE POSITION SENSOR	17171027 20210301885	02/09/2021
ELECTRO-DYNAMIC COUPLING AND CONTROL ASSEMBLY AND SWITCHABLE LINEAR ACTUATOR DEVICE FOR USE THEREIN	17105735 20210246950	11/27/2020

COUPLING AND CONTROL ASSEMBLY FOR USE IN A MOTOR VEHICLE	16596143 20200109749	10/08/2019
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Notice of Grant of Security Interest in Patents
Granted by TransForm Automotive LLC
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 058966 Frame 0263

Patent Application

Title	Appl. / Publ. No.	Filing Date
VEHICLE DRIVETRAIN ASSEMBLY AND METHOD FOR MAKING THE ASSEMBLY	16595624 20200116203	10/08/2019

**Notice of Grant of Security Interest in Patents
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded July 24, 2019 at Reel 049841 Frame 0572**

Patent Application

Title	Appl. No.	Filing Date
VENTED BRAKE CYLINDER	29635831	02/02/17

**Notice of Grant of Security Interest in Patents
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded July 24, 2019 at Reel 049841 Frame 0702**

Patent Application

Title	Appl. No.	Filing Date
WATER COLLECTION ARRANGEMENT	15692585	08/31/17

**Notice of Grant of Security Interest in Patents
Granted by Means Industries, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded July 24, 2019 at Reel 049841 Frame 0631**

Patent Applications

Title	Appl. No.	Filing Date
NON-FRICTION COUPLING AND CONTROL ASSEMBLY, ENGAGEABLE COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE IN THE ASSEMBLIES	16271115	02/08/19
HIGH-SPEED COUPLING SUBASSEMBLY AND HIGH-SPEED OVERRUNNING COUPLING ASSEMBLY INCLUDING THE SUBASSEMBLY	62780448	12/17/18
ELECTROMAGNETIC SYSTEM FOR CONTROLLING THE OPERATING MODE OF A NON-FRICTION COUPLING ASSEMBLY AND COUPLING AND MAGNETIC CONTROL ASSEMBLY HAVING SAME	62774957	12/04/18
HIGH-SPEED OVERRUNNING COUPLING ASSEMBLY AND LOCKING MEMBER WHICH IS SUPPORTED TO PIVOTALLY MOVE WITH SUBSTANTIALLY NO FRICTION	62774925	12/04/18
COUPLING ASSEMBLY HAVING SUBSTANTIALLY NO BACKLASH BETWEEN FORWARD AND REVERSE LOCKING ELEMENTS OF THE ASSEMBLY	62774356	12/03/18
OVERRUNNING COUPLING AND CONTROL ASSEMBLY AND SYSTEM TO PREVENT THE UNCOMMANDED ENGAGEMENT OF THE ASSEMBLY	62758727	11/12/18

Notice of Grant of Security Interest in Patents
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 048478 Frame 0528
Correction Recorded March 17, 2022 at Reel 059860 Frame 0325

Issued Patents

Title	Patent No.	Issue Date
BRAKING SYSTEMS FOR RAILWAY CARS	9937935	04/10/18
BRAKING SYSTEMS FOR RAILWAY CARS	9896113	02/20/18
BRAKING SYSTEMS FOR RAILWAY CARS	9855960	01/02/18

Patent Applications

Title	Appl. No.	Filing Date
ONBOARD CONDITION MONITORING OF RAIL CAR WHEELS AND BEARINGS	16277340	02/15/19
DISCHARGE GATE SENSING METHOD AND ASSEMBLY	15256772	01/24/19
RAILROAD KNUCKLE LOCK WALL LATERAL TAPER	62783423	12/21/18
CASTING PROCESS CONCEPT	62779021	12/13/18
RAILCAR TRUCK BOLSTER	16217780	12/12/18
RAIL CAR SIDE BEARING	16178232	11/01/18
TRUCK SIDE FRAME SENSOR SYSTEM	62750614	10/25/18
SYSTEM AND METHOD FOR DETECTING OPERATIONAL ANOMALIES IN TRAIN CONSISTS AND RAILCARS	16166308	10/22/18
MULTI-AXIS BASE FORM	62737525	09/27/18
MULTI-AXIS MULTIFORM	62737511	09/27/18
SYSTEMS AND METHODS FOR MANUFACTURING A RING FROM A METAL SHEET	16126550	09/10/18
OFF OF "ANGLE OF ATTACK"	62699368	07/17/18
CONSTANT STRESS SIDE FRAME	62698358	07/16/18
INSERT AND WEAR RING FOR A RAILWAY ROLLER BEARING	16031556	07/10/18
SLEW-ACTUATED PIERCING OF RADIAL WALL	16029401	07/06/18
ROLLER BEARING SEAL ASSEMBLY AND A COMPONENT THEREOF	15987532	05/23/18

ROLLER BEARING SEAL ASSEMBLY AND A COMPONENT THEREOF	15978352	05/23/18
FRICTION ASSIST SIDE BEARING	62663755	04/27/18
LIGHTWEIGHT AXLE	15958070	04/20/18
AUTONOMOUS OPTIMIZATION OF ON-BOARD INTRA-TRAIN COMMUNICATION NETWORK	62658888	04/17/18
SYSTEM AND METHOD FOR BUILDING AND MANAGING A TRAIN CONSIST	15759235	03/12/18
FRICTION ELEMENT TEST TRUCK	62639780	03/07/18
ARTICULATED CONNECTOR	29636997	02/13/18
RAILWAY CAR HATCH COVER LATCH	15827418	11/30/17
TEMPERATURE-ROBUST POLYMER SHROUD FOR ROLLER BEARING SEAL	15791186	10/23/17
ROLL-FORMING BASED METHOD FOR MANUFACTURING ROLLER BEARING SEAL CASE	15784101	10/14/17
RAILWAY CAR HATCH COVER HYDROPHOBIC COATING ON VENTS	15783326	10/13/17
RAILWAY TRUCK BOLSTER CENTER BOWL LINER	15728169	10/09/17
RAILWAY TRUCK WITH ELASTOMERIC SUSPENSION	15723380	10/03/17
FRICTION SHOE WITH DAMPING FOR A RAILWAY CAR TRUCK	15714340	09/25/17
WAFER CHUCK WITH AERODYNAMIC DESIGN FOR TURBULENCE REDUCTION	15647183	08/10/17
RAILWAY FREIGHT CAR COUPLING FORCE MONITORING SYSTEM	15624143 20180364117	06/15/17
SLINGER FOR ROLLER BEARING SEAL, AND ASSOCIATED ASSEMBLIES AND METHODS	15621898 20180355918	06/13/17
RETAINING VALVE FOR A RAIL CAR BRAKE SYSTEM	15606443 20180339691	05/26/17
CONTROL VALVE AND METHOD FOR OPERATING A CONTROL VALVE FOR A RAIL CAR BRAKE SYSTEM	15452044 20180257627	03/07/17
PRESSURE CONTROL SYSTEM AND MEANS FOR PRESSURE POURING OF CAST STEEL WHEELS	15407013 20170266720	01/16/17
LOCKING MECHANISM FOR A TANK BODY AND A TANK COVER OF A PRESSURE TANK	15407009 20170268257	01/16/17
GAS PRESSURE TANK STRUCTURE	15407000 20170198862	01/16/17

POURING METALLIC PLUG STICK CLAMPING MECHANISM FOR CAST STEEL WHEELS	15406990 20170203360	01/16/17
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**Notice of Grant of Security Interest in Patents
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 050092 Frame 0023**

Issued Patent

Title	Patent No.	Issue Date
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	9995533	06/12/18

Patent Applications

Title	Appl. No.	Filing Date
FAN ARRAY FAULT RESPONSE CONTROL SYSTEM	62779182	12/13/18
WATER RECIRCULATION SYSTEM	15888938	02/05/18
HEAT EXCHANGER CASSETTE	29634472	01/22/18
INDIRECT HEAT EXCHANGER	15863196	01/05/18
COOLING TOWER WIND WALL SYSTEM	15837933	12/11/17
AUTOMATED CONTROL OF HEAT EXCHANGER OPERATION	15814032	11/15/17
WATER COLLECTION/DEFLECTION ARRANGEMENTS	15717441 20180094884	09/27/17
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	15631839 20170284742	06/23/17

**Notice of Grant of Security Interest in Patents
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In Favor of Bank of America, N.A., as Administrative Agent
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Patent Applications

Title	Appl. No.	Filing Date
ROTATIONALLY DISENGAGING LOCKING SPINDLE NUT	62783476	12/21/18
WHEEL HUB ASSEMBLY WITH ELECTRIC GENERATOR	62770544	11/21/18
THRUST BUMPER RING FOR WHEEL SEALS	62738979	09/28/18
WHEEL RETENTION SYSTEM	15794595	10/26/17
WHEEL COVER	15712740	09/22/17
DISC BRAKE ROTOR ASSEMBLY	15700955	09/11/17
DISC BRAKE ASSEMBLY	15673969 20190048951	08/10/17
DISC BRAKE TONE RING	15947589 20180223930	04/06/18

Notice of Grant of Security Interest in Patents
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Recorded March 1, 2019 at Reel 048478 Frame 0571

Issued Patent

Title	Patent No.	Issue Date
DRIVE SYSTEMS INCLUDING TRANSMISSIONS FOR ELECTRIC AND HYBRID ELECTRIC VEHICLES	10183570	01/22/19

Patent Applications

Title	Appl. No.	Filing Date
COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND CHanneled LOCKING MEMBER FOR USE THEREIN	16173055	10/29/18
HIGH-SPEED OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER WHICH PIVOTALLY MOVES WITH SUBSTANTIALLY REDUCED FRICTION	62749165	10/23/18
COUPLING AND CONTROL ASSEMBLY FOR USE IN A MOTOR VEHICLE	62743218	10/09/18
COUPLING AND CONTROL ASSEMBLY HAVING AN INTERNAL LATCHING MECHANISM	62741027	10/04/18
ELECTRONIC, HIGH-EFFICIENCY VEHICULAR TRANSMISSION, OVERRUNNING, NON-FRICTION COUPLING AND CONTROL ASSEMBLY AND SWITCHABLE LINEAR ACTUATOR DEVICE FOR USE THEREIN	15835884	12/8/2017
OVERRUNNING, NON-FRICTION, RADIAL COUPLING AND CONTROL ASSEMBLY AND SWITCHABLE LINEAR ACTUATOR DEVICE FOR USE IN THE ASSEMBLY	15890415 20180347642	02/07/18
OVERRUNNING COUPLING AND CONTROL ASSEMBLY AND SYSTEM TO PREVENT THE INADVERTENT ENGAGEMENT OF THE ASSEMBLY	15866620 20180340578	01/10/18
OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE THEREIN HAVING IMPROVED DYNAMICS WITH REGARDS TO LOCKING MEMBER LAYDOWN SPEED	15889324 20180328419	02/06/18
DRIVE SYSTEM INCLUDING A TRANSMISSION AND MAGNETIC COUPLING DEVICE FOR AN ELECTRIC VEHICLE	15951317 20180231105	04/12/18
DRIVE SYSTEMS INCLUDING TRANSMISSIONS AND MAGNETIC COUPLING DEVICES FOR ELECTRIC AND HYBRID ELECTRIC VEHICLES	15874001 20180156332	01/18/18

COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND APPENDAGED LOCKING MEMBER FOR USE THEREIN	15677093 20180087585	08/15/17
CONTROLLABLE COUPLING ASSEMBLY HAVING FORWARD AND REVERSE BACKLASH	15563653 20180066716	10/02/17
COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY AND ELECTROMECHANICAL SYSTEM FOR USE THEREIN	15667837 20180045306	08/03/17
OVERRUNNING, NON-FRICTION COUPLING AND CONTROL ASSEMBLIES AND SWITCHABLE LINEAR ACTUATOR DEVICE AND RECIPROCATING ELECTROMECHANICAL APPARATUS FOR USE THEREIN	15712635 20180038425	09/22/17
OVERRUNNING, NON-FRICTION COUPLING AND CONTROL ASSEMBLY, ENGAGEABLE COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE IN THE ASSEMBLIES	15712651 20180010651	09/22/17

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In Favor of Bank of America, N.A., as Administrative Agent
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Issued Patents

Title	Patent No.	Issue Date
SIDE BEARING FOR RAILWAY CAR TRUCK	9555818	01/31/17
BRAKING SYSTEM FOR A RAILWAY CAR	9540020	01/10/17
BRAKING SYSTEMS FOR RAILWAY CARS	9511782	12/06/16
HAND BRAKE ASSEMBLY	9488252	11/08/16
RAILWAY CAR TRUCK WITH FRICTION DAMPING	9446774	09/20/16
MOUNTING RING	9150226	10/06/15
TRAIN AXLE ASSEMBLY	9016746	04/28/15
FORMING A MOLD FOR STEEL CASTING	8869872	10/28/14
CHAIN LOCATOR	8857573	10/14/14
SIGNAL CONTROL DEVICE	8845036	09/30/14
FORMING A MOLD FOR STEEL CASTING	8839844	09/23/14
FORMING A MOLD FOR STEEL CASTING	8839843	09/23/14
TRAIN AXLE ASSEMBLY	8662557	03/04/14
MOUNTING RINGS FOR SHAFTS	8657299	02/25/14
RING FOR MOUNTING A STRUCTURE TO A SHAFT	8607431	12/17/13
ONE-WAY CHECK VALVE	8522823	09/03/13
METHOD OF MOUNTING A STRUCTURE TO A SHAFT	8317202	11/27/12
REMOTE HAND BRAKE	8172045	05/08/12
HANDBRAKE LOAD INDICATOR	8033236	10/11/11
QUICK RELEASE HAND BRAKE	7878309	02/01/11
QUICK RELEASE HAND BRAKE	7757825	07/20/10
RINGS FOR MOUNTING STRUCTURES TO SHAFTS AND METHODS OF USING SUCH RINGS	7563050	07/21/09
HANDBRAKE HAVING INPUT LOAD LIMITER	7559411	07/14/09
VEHICLE BRAKE STATUS INDICATING APPARATUS	6112860	09/05/00

Patent Applications

Title	Appl. No.	Filing Date
RAILWAY CAR TRUCK WITH FRICTION SHOES	15463739	03/20/17
PASSIVE STEERING FOR A THREE PIECE RAILWAY TRUCK	15454475	03/09/17
RAILWAY CAR TRUCK FRICTION SHOE SPRING GROUP	15453546	03/08/17
RAILWAY CAR TRUCK FRICTION SHOE	15453515	03/08/17
RAILWAY CAR TRUCK FRICTION SHOE	15453489	03/08/17
RAILWAY TRUCK FRICTION SHOE	15375887	12/12/16
RAILWAY FREIGHT CAR DRAFT GEAR	15255440	09/02/16
RAILWAY FREIGHT CAR TRUCK PEDESTAL PAD	15208200	07/12/16
TRAIN AND RAIL YARD COMMUNICATION SYSTEM	15166933	05/27/16
DRAFT GEAR YOKE	15149904	05/09/16

DRAFT GEAR YOKE	29563884	05/09/16
RAILWAY TRUCK BOLSTER WEAR LINER	14966032	12/11/15
STABILIZED RAILWAY FREIGHT CAR TRUCK	14958320	12/03/15
VERTICAL TRAVEL BUMPER	14958210	12/03/15
BRAKE CYLINDER PRESSURE MAINTENANCE VALVES FOR FREIGHT CAR BRAKE EQUIPMENT	14862347 20170080913	09/23/15
SYSTEM AND METHOD FOR MONITORING RAILCAR PERFORMANCE	15158018 20170050651	05/18/16
TRAIN AND RAIL YARD MANAGEMENT SYSTEM	15039706 20170021847	05/26/16
RAILWAY FREIGHT CAR TRUCK WITH TRANSOM	14807371 20170021843	07/23/15
SLACK ADJUSTER FOR RAILCAR BRAKE	14793768 20170008539	07/08/15
RAILROAD CAR DRAFT GEAR	14738321 20160362121	06/12/15
SYSTEM AND METHOD FOR DETECTING OPERATIONAL ANOMALIES IN TRAIN CONSISTS AND RAILCARS	15108065 20160325767	06/24/16
TRAIN AND RAIL YARD MANAGEMENT SYSTEM	15166933 20160272228	05/27/16
BRAKING SYSTEMS FOR RAILWAY CARS	14619772 20160229429	02/11/15
CAST STEEL RAILWAY WHEEL	14576881 20160175924	12/19/14
RAILROAD TRAIN MONITORING SYSTEM	14447706 20150083869	07/31/14
RAILCAR HANDBRAKE MONITOR	14684994 20150232079	04/13/15
VALVE	13760653 20140217319	02/06/13

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Issued Patent

Title	Patent No.	Issue Date
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	9587885	03/07/17

Patent Applications

Title	Appl. No.	Filing Date
IMPROVED COOLING TOWER	62483759	04/10/17
COOLING TOWER WITH DIRECT AND INDIRECT HEAT EXCHANGE SECTIONS	15474532	03/30/17
COOLING TOWER INTEGRATED INLET LOUVER FILL	15472998	03/29/17
WATER RECIRCULATION SYSTEM ON ADIABATIC COOLER/CONDENSER	62456873	02/09/17
IMPROVED COOLING TOWER	62436088	12/19/16
IMPROVED GRAVITY FEED SPRAY WATER DISTRIBUTION SYSTEM	15373647	12/09/16
COOLING TOWER MECHANICAL SUPPORT	15296781	10/18/16
INDIRECT HEAT EXCHANGER	15291879	10/12/16
INDIRECT HEAT EXCHANGER	15291856	10/12/16
INDIRECT HEAT EXCHANGER	15291773	10/12/16
FORCED DRAFT WATER COLLECTION ARRANGEMENT	62402038	09/30/16
COOLING TOWER SPLASH FILL	14919960 20170115077	10/22/15
HEAT EXCHANGE APPARATUS	14738281 20160363388	06/12/15
COOLING TOWER INTEGRATED INLET LOUVER FILL	14529941 20160223262	10/31/14
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	15005652 20160138869	01/25/16

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In Favor of Bank of America, N.A., as Administrative Agent
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Issued Patents

Title	Patent No.	Issue Date
VEHICLE WHEEL HUBCAP WITH VENT	9421819	08/23/16
TRACTOR/TRAILER WHEEL COVER	9321304	04/26/16
TURBO CHARGER HOUSING	8696310	04/15/14

Patent Applications

Title	Appl. No.	Filing Date
HIGH FRICTION INSULATOR	15492710	04/20/17
DISC BRAKE TONE RING	15422045	02/01/17
AXLE LIFT MECHANISM	15415388	01/25/17
TRUCK WHEEL	15184415	06/16/16
WHEEL COVER	15071938	03/16/16
BRAKE ATTACHMENT	15065417	03/09/16

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Issued Patents

Title	Patent No.	Issue Date
ELECTRONIC VEHICULAR TRANSMISSION INCLUDING A SENSOR AND COUPLING AND CONTROL ASSEMBLY FOR USE THEREIN	9638266	05/02/17
CONTROLLABLE COUPLING ASSEMBLY AND COUPLING MEMBER FOR USE IN THE ASSEMBLY	9562574	02/07/17
MAGNETIC SYSTEM FOR CONTROLLING AN OPERATING MODE OF AN OVERRUNNING COUPLING ASSEMBLY AND OVERRUNNING COUPLING AND MAGNETIC CONTROL ASSEMBLY INCLUDING THE SYSTEM	9541143	01/10/17
ELECTRONIC VEHICULAR TRANSMISSION, CONTROLLABLE COUPLING ASSEMBLY AND COUPLING MEMBER FOR USE IN THE ASSEMBLY	9541141	01/10/17
CONTROLLABLE COUPLING ASSEMBLY HAVING FORWARD AND REVERSE BACKLASH	9482297	11/01/16
COUPLING AND CONTROL ASSEMBLY INCLUDING A SENSOR	9482294	11/01/16
HIGH-EFFICIENCY DRIVE SYSTEM INCLUDING A TRANSMISSION FOR A HYBRID ELECTRIC VEHICLE	9441708	09/13/16
DEVICE AND APPARATUS FOR CONTROLLING THE OPERATING MODE OF A COUPLING ASSEMBLY, COUPLING AND CONTROL ASSEMBLY AND ELECTRIC MOTOR DISCONNECT AND PASS THROUGH ASSEMBLIES	9435387	09/06/16
ELECTROMAGNETIC SYSTEM FOR CONTROLLING THE OPERATING MODE OF AN OVERRUNNING COUPLING ASSEMBLY AND OVERRUNNING COUPLING AND CONTROL ASSEMBLY INCLUDING THE SYSTEM	9377061	06/28/16
COUPLING MEMBER SUBASSEMBLY FOR USE IN CONTROLLABLE COUPLING ASSEMBLY AND ELECTROMECHANICAL APPARATUS HAVING A PAIR OF SIMULTANEOUSLY ACTUATED ELEMENTS FOR USE IN THE SUBASSEMBLY	9371868	06/21/16
ELECTRONIC VEHICULAR TRANSMISSION AND COUPLING AND CONTROL ASSEMBLY FOR USE THEREIN	9255614	02/09/16
COUPLING ASSEMBLY HAVING REDUCED UNDESIRABLE NOISE AND CONTACT STRESS CAUSED BY A TRANSITION BETWEEN OPERATING MODES OF THE ASSEMBLY	9249836	02/02/16

MAGNETIC SYSTEM FOR CONTROLLING THE OPERATING MODE OF AN OVERRUNNING COUPLING ASSEMBLY AND OVERRUNNING COUPLING AND MAGNETIC CONTROL ASSEMBLY HAVING SAME	9234552	01/12/16
CONTROLLABLE OR SELECTABLE COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND A RETAINED CONTROL ELEMENT	9188174	11/17/15
COMPACT OVERRUNNING COUPLING AND CONTROL ASSEMBLY HAVING REDUCED PART COUNT AND MANUFACTURING COMPLEXITY	9188172	11/17/15
DRIVE SYSTEM INCLUDING A TRANSMISSION FOR A HYBRID ELECTRIC VEHICLE	9186977	11/17/15
ELECTROMECHANICAL APPARATUS FOR USE WITH A COUPLING ASSEMBLY AND CONTROLLABLE COUPLING ASSEMBLY INCLUDING SUCH APPARATUS	9127724	09/08/15
OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE THEREIN	9121454	09/01/15

Patent Applications

Title	Appl. No.	Filing Date
OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER WHICH PIVOTALLY MOVES WITHOUT SUBSTANTIALLY ANY FRICTION	62506261	05/15/17
OVERRUNNING COUPLING AND CONTROL ASSEMBLY, COUPLING ASSEMBLY AND LOCKING MEMBER FOR USE THEREIN HAVING IMPROVED DYNAMICS WITH REGARDS TO LOCKING MEMBER LAYDOWN SPEED	62506243	05/15/17
ONE-WAY CLUTCH ASSEMBLY AND COUPLING MEMBER FOR THEREIN WHEREIN LOCKING MEMBER DYNAMICS WITH RESPECT TO STRUT LAYDOWN SPEED ARE ENHANCED	15589474	05/8/17
DRIVE SYSTEM INCLUDING A TRANSMISSION AND MAGNETIC COUPLING DEVICE FOR AN ELECTRIC VEHICLE	62492569	05/01/17
DRIVE SYSTEMS INCLUDING TRANSMISSIONS AND MAGNETIC COUPLING DEVICES FOR ELECTRIC AND HYBRID ELECTRIC VEHICLES	62455147	02/06/17
OVERRUNNING, NON-FRICTION COUPLING AND CONTROL ASSEMBLIES AND SWITCHABLE LINEAR ACTUATOR DEVICE AND RECIPROCATING ELECTROMECHANICAL APPARATUS FOR USE THEREIN	62453578	02/02/17
COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND CHANNELED LOCKING MEMBER FOR USE THEREIN	15399900	01/06/17

COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND APPENDAGED LOCKING MEMBER FOR USE THEREIN	62400724	09/28/16
ELECTROMECHANICAL APPARATUS FOR USE WITH A CONTROLLABLE COUPLING ASSEMBLY AND COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY	15257992	09/07/16
ELECTROMECHANICAL SYSTEM FOR CONTROLLING THE OPERATING MODE OF A SELECTABLE CLUTCH ASSEMBLY AND AN OVERRUNNING COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY USING THE SYSTEM	15251346	08/30/16
COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY AND ELECTROMECHANICAL SYSTEM FOR USE THEREIN	62372867	08/10/16
POWER TRANSMISSION APPARATUS	15257116 20170066317	09/06/16
ELECTROMECHANICAL APPARATUS FOR USE WITH A CONTROLLABLE COUPLING ASSEMBLY AND COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY	15257992 20160377126	09/07/16
ELECTROMECHANICAL SYSTEM FOR CONTROLLING THE OPERATING MODE OF A SELECTABLE CLUTCH ASSEMBLY AND AN OVERRUNNING COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY USING THE SYSTEM	15251346 20160369855	08/30/16
SELECTABLE ONE-WAY CLUTCH	15017936 20160230819	02/08/16
COUPLING AND CONTROL ASSEMBLY FOR USE IN AN ELECTRONIC VEHICULAR TRANSMISSION	15078171 20160201738	03/23/16
APPARATUS FOR CONTROLLABLY ACTUATING A SELECTABLE COUPLING ASSEMBLY HAVING MULTIPLE OPERATING MODES	14940226 20160131206	11/13/15
ELECTROMECHANICAL SYSTEM FOR CONTROLLING THE OPERATING MODE OF A SELECTABLE CLUTCH ASSEMBLY AND OVERRUNNING COUPLING AND ELECTROMECHANICAL CONTROL ASSEMBLY USING THE SYSTEM	14933345 20160131205	11/05/15
ACTUATOR CONTROLLER TO CONTROLLABLY SUPPLY DC POWER TO A BI-DIRECTIONAL ELECTROMECHANICAL ACTUATOR	14933360 20160129864	11/05/15
HIGH-SPEED COUPLING SUBASSEMBLY AND HIGH-SPEED OVERRUNNING CLUTCH ASSEMBLY INCLUDING THE SUBASSEMBLY	14457245 20150047942	08/12/14
ELECTRONIC, HIGH-EFFICIENCY VEHICULAR TRANSMISSION, OVERRUNNING, NON-FRICTION COUPLING AND CONTROL ASSEMBLY AND SWITCHABLE LINEAR ACTUATOR DEVICE FOR USE THEREIN	14487322 20150000442	09/16/14

VEHICLE DRIVE SYSTEM INCLUDING A TRANSMISSION	14037430 20140100071	09/26/13
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Issued Patents

Title	Patent No.	Issue Date
RAILWAY WHEEL ULTRASONIC TESTING APPARATUS	8596125	12/03/13
UNIVERSAL COUPLER CARRIER WEAR PLATE	6068146	05/30/00
STATICALLY DISSIPATIVE, NON-METALLIC CENTER BOWL LINER FOR RAILROAD CARS	6041714	03/28/00

Patent Applications

Title	Appl. No.	Filing Date
BRAKE BEAM COVER	13724852	06/19/12
COUPLER KNUCKLE PIN	13659509	10/24/12
FREIGHT CAR BRAKE BEAM	13722359	12/20/12
COUPLER KNUCKLE	13661721	10/26/12
RAILCAR HANDBRAKE WHEEL	13738459	01/10/13
FORMING A MOLD FOR STEEL CASTING	13799629	03/13/13
FORMING A MOLD FOR STEEL CASTING	13799713	03/13/13
STABILIZED RAILWAY FREIGHT CAR TRUCK	13834080	05/15/13
RAILWAY TANK CAR HATCH COVER	13901854	05/24/13
RAIL TANK CAR SECURITY DEVICE	13659436	10/24/12
RAILWAY FREIGHT CAR ON-BOARD WEIGHING SYSTEM	14167784	01/31/14
RAILCAR HANDBRAKE MONITOR	13605477 20140060979	09/06/12
SYSTEM AND METHOD FOR MONITORING RAILCAR PERFORMANCE	13842427 20130342362	03/15/13
RAILCAR BRAKE BEAM WEAR LINER	13495205 20130333990	06/13/12
ROLLER BEARING BACKING RING ASSEMBLY	13409293 20130230265	03/01/12
RAILCAR CUSHIONING DEVICE	13408502 20130220961	02/29/12
CAST STEEL RAILWAY WHEEL	13362457 20130193705	01/31/12
RAILROAD TRAIN MONITORING SYSTEM	13526618 20130092800	06/19/12
RAILWAY CLIP INSULATOR WITH TWO STABLE POSITIONS FOR STANDBY, PARKED OR PRELOADED POSITION AND INSTALLED, LOADED OR FINAL POSITION	13146331 20120031992	09/30/11

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Patent Applications

Title	Appl. No.	Filing Date
PLATE FRAME HEAT EXCHANGER	13716772	12/17/12
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	13716838	12/17/12
COOLING TOWER WITH INDIRECT HEAT EXCHANGER	13716911	12/17/12
INDIRECT HEAT EXCHANGER	14095874	12/03/13
HEAT EXCHANGER WITH DIRECT AND INDIRECT SECTIONS	13833788	03/15/13
COOLING TOWER WITH INDIRECT HEAT EXCHANGERS	13833971	03/15/13
COOLING TOWER FILL	13955767	07/31/13
ADIABATIC REFRIGERANT CONDENSER CONTROLS SYSTEM	14159243	01/20/14
SYSTEM AND METHOD OF WETTING ADIABATIC MATERIAL	12452021 20100162737	03/02/10

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Patent Applications

Title	Appl. No.	Filing Date
<i>AIR INTAKE SHROUD</i>	<i>13930978</i>	<i>06/28/13</i>
<i>WHEEL COVER</i>	<i>13901823</i>	<i>05/24/13</i>

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Issued Patents

Title	Patent No.	Issue Date
<i>STRUT FOR A CONTROLLABLE ONE-WAY CLUTCH</i>	<i>8646587</i>	<i>02/11/14</i>
<i>DIECAST COUPLING MEMBER FOR USE IN AN ENGAGEABLE COUPLING ASSEMBLY</i>	<i>8602189</i>	<i>12/10/13</i>

Patent Applications

Title	Appl. No.	Filing Date
<i>COUPLING AND CONTROL ASSEMBLY</i>	<i>13863540</i> <i>20130277164</i>	<i>04/16/13</i>
<i>ELECTROMECHANICALLY ACTUATED COUPLING AND CONTROL ASSEMBLY</i>	<i>13992785</i> <i>20130256078</i>	<i>06/10/13</i>
<i>COUPLING ASSEMBLY HAVING AN OVERRUN MODE AND RATCHETING REVERSE STRUT OR RADIAL RATCHET FOR USE THEREIN</i>	<i>13611001</i> <i>20130062151</i>	<i>09/12/12</i>
<i>ELECTROMECHANICAL ASSEMBLY TO CONTROL THE OPERATING MODE OF A COUPLING APPARATUS</i>	<i>13370507</i> <i>20120152687</i>	<i>02/10/12</i>
<i>CONTROLLABLE COUPLING ASSEMBLY</i>	<i>13370506</i> <i>20120152683</i>	<i>02/10/12</i>
<i>VEHICLE DRIVE SYSTEM INCLUDING A TRANSMISSION</i>	<i>13218817</i> <i>20120149518</i>	<i>08/26/11</i>
<i>DIECAST COUPLING MEMBER INCLUDING A POCKET HAVING A MACHINED SURFACE PORTION, METHOD FOR MAKING THE COUPLING MEMBER AND CLUTCH ASSEMBLY INCLUDING THE COUPLING MEMBER</i>	<i>13150522</i> <i>20110297500</i>	<i>06/01/11</i>

**Notice of Grant of Security Interest in Trademarks
Granted by TruckLabs, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded January 16, 2024 at Reel 8317 Frame 0791**

Trademark Registrations

Mark	Reg. No.	Reg. Date
TRIPDYNAMICS	6606782	01/04/2022
TRUCKWINGS	5801168	07/09/2019
CARBONCONNECT	5671219	02/05/2019

Notice of Grant of Security Interest in Trademarks
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 7628 Frame 0520

Trademark Registrations

Mark	Reg. No.	Reg. Date
ENDURANCE	6609064	01/04/2022
ELLCON-NATIONAL	6380416	06/08/2021
AMSTED SEALS	6380250	06/08/2021
MVP	6380031	06/08/2021
GEOMETRIX RAIL LOGISTICS	4453261	12/24/2013
Design Only	4453260	12/24/2013
GEOMETRIX	4453259	12/24/2013

Trademark Applications

Mark	Appl. No.	Filing Date
Design Only	90547222	02/25/2021
AMSTED SEALS and Design	90547119	02/25/2021
T TRISEAL and Design	90025570	06/29/2020
T and Design	90023097	06/26/2020
TRISEAL	90022986	06/26/2020
ENDURANCEPRO	90022170	06/26/2020
LEATHERPRO	90020881	06/25/2020
BOGIE IQ	88844676	03/23/2020
TITAN+	88819412	03/03/2020
TITAN	88819397	03/03/2020
ENDURANCE+	88819358	03/03/2020

**Notice of Grant of Security Interest in Trademarks
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 7628 Frame 0532**

Trademark Application

Mark	Appl. No.	Filing Date
VERTEX	88341855	03/15/2019

**Notice of Grant of Security Interest in Trademarks
Granted by Consolidated Metco, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 7628 Frame 0526**

Trademark Applications

Mark	Appl. No.	Filing Date
CONMET (Stylized)	90599470	03/24/2021
V VOLTRIC POWER and Design	90296551	11/03/2020
VOLTRIC	90296367	11/03/2020
VOLTRIC POWER	90295775	11/03/2020
INTELLIGENCE OF TRANSPORTATION	88864515	04/08/2020
RIVATA and Design	88839266	03/18/2020
RIVATA	88839255	03/18/2020

**Means Industries, Inc.
(Michigan Corporation)**

**Notice of Grant of Security Interest in Trademarks
Granted by Means Industries, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded February 8, 2022 at Reel 7628 Frame 0537**

Trademark Applications

Mark	Appl. No.	Filing Date
A (Stylized)	90687817	05/03/2021
AMSTED AUTOMOTIVE and Design	90687570	05/03/2021
AMSTED AUTOMOTIVE	90687071	05/03/2021

Notice of Grant of Security Interest in Trademarks
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 6578 Frame 0072

Trademark Registrations

Mark	Reg. No.	Reg. Date
ENDURO	5590270	10/23/18
POLY-SHROUD	5346444	11/28/17

Trademark Applications

Mark	Appl. No.	Filing Date
SMART TRAIN	88008184	06/20/18
AMSTED DIGITAL SOLUTIONS	87864515	04/05/18

Notice of Grant of Security Interest in Trademarks
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 6578 Frame 0052

Trademark Applications

Mark	Appl. No.	Filing Date
NEXUS	87748815	01/09/18
IPILOT	87748792	01/09/18
DIAMONDCLEAR	87748777	01/09/18
HCORE	87748727	01/09/18

**Notice of Grant of Security Interest in Trademarks
Granted by Burgess-Norton Mfg. Co., Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 6578 Frame 0058**

Trademark Application

Mark	Appl. No.	Filing Date
PMFIRST	87845662	03/22/18

**Notice of Grant of Security Interest in Trademarks
Granted by Consolidated Metco, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 6578 Frame 0066**

Trademark Registration

Mark	Reg. No.	Reg. Date
TRUTURN LITE	5666491	01/29/19

Trademark Applications

Mark	Appl. No.	Filing Date
AEROFLOW	88098906	08/30/18
TREADSAVER	88009766	06/21/18
GO BEYOND	87810668	02/26/18
PRESET PLUS ELECTRIC HUB	87513147	06/30/17
PRESET PLUS EHUB	87513094	06/30/17

**Notice of Grant of Security Interest in Trademarks
Granted by Means Industries, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 1, 2019 at Reel 6578 Frame 0078**

Trademark Registration

Mark	Reg. No.	Reg. Date
MEANS and Design	5570116	09/25/2018

Notice of Grant of Security Interest in Trademarks
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0508

Trademark Registrations

Mark	Reg. No.	Reg. Date
RAILYTICS	5073312	11/01/16
RYNO RING	5072536	11/01/16
QUIK DRAW	4835871	10/20/15
KEY-GARD	4835869	10/20/15
RFTRAX	4835751	10/20/15
IONX EDGE	4024322	09/13/11
IONX	4024321	09/13/11
ASF-KEYSTONE	2786124	11/25/03
PEACOCK	0881172	11/25/69

Trademark Applications

Mark	Appl. No.	Filing Date
SMART TRAIN	87438123	05/05/17
IBEX	87349046	02/24/17
ELLCON	87304428	01/17/17
ELLCON-NATIONAL	87304347	01/17/17
TRAKMASTER	87061661	06/06/16
INNO-SPIN	87051329	05/26/16
INNO-SPIN	87051257	05/26/16
AMRIDE	87050685	05/26/16
INFORMATION FROM THE EDGE	86971450	04/11/16
ENDURANCE	86343234	07/21/14
TWIN PACK PLUS	86288933	05/22/14

Notice of Grant of Security Interest in Trademarks
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0518

Trademark Registrations

Mark	Reg. No.	Reg. Date
ENDURAFLOW	5122801	01/17/17
ENDURADRIIVE	5031801	08/30/16
ENDURADRIIVE	4999242	07/12/16
EVERTOUGH	4963816	05/24/16

Notice of Grant of Security Interest in Trademarks
Granted by Burgess-Norton Mfg. Co., Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0612

Trademark Registrations

Mark	Reg. No.	Reg. Date
BN (STYLIZED LOGO)	5016684	08/09/16
B-N	0518081	11/29/49

**Notice of Grant of Security Interest in Trademarks
Granted by Consolidated Metco, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0628**

Trademark Registration

Mark	Reg. No.	Reg. Date
RESET YOUR PRESET	4996420	07/12/2016

**Notice of Grant of Security Interest in Trademarks
Granted by Means Industries, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0644**

Trademark Registration

Mark	Reg. No.	Reg. Date
MEANS	4992820	07/05/16

Trademark Application

Mark	Appl. No.	Filing Date
MEANS and Design	86814852	05/15/16

**Notice of Grant of Security Interest in Trademarks
Granted by TransForm Automotive, LLC
In Favor of Bank of America, N.A., as Administrative Agent
Recorded June 6, 2017 at Reel 6077 Frame 0674**

Trademark Registration

Mark	Reg. No.	Reg. Date
TRANSFORM AUTOMOTIVE and Design	5170433	03/28/2017

**Notice of Grant of Security Interest in Trademarks
Granted by Amsted Industries Incorporated
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 21, 2014 at Reel 5241 Frame 0405**

Trademark Application

Mark	Appl. No.	Filing Date
AMSTED	86161154	01/09/14

Notice of Grant of Security Interest in Trademarks
Granted by Amsted Rail Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 21, 2014 at Reel 5241 Frame 0388

Trademark Registration

Mark	Reg. No.	Reg. Date
TRU-GUARD	4422128	10/22/13

Trademark Applications

Mark	Appl. No.	Filing Date
AMSTED	86161211	01/09/14
POLY-SHROUD	86005037	07/09/13
BRASBRID	85853785	02/19/13
AMSTED ADAPTER PLUS	85749435	10/09/12
ORDER INSIGHT	76712265	08/27/12
MEGA-TONNE	76712047	07/27/12
UNIVERSAL DRY LOCK PLUS	76693855	10/24/08

**Notice of Grant of Security Interest in Trademarks
Granted by Baltimore Aircoil Company, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 21, 2014 at Reel 5241 Frame 0399**

Trademark Application

Mark	Appl. No.	Filing Date
OPTISPRAY	85964347	06/19/13

**Notice of Grant of Security Interest in Trademarks
Granted by Consolidated MetCo, Inc.
In Favor of Bank of America, N.A., as Administrative Agent
Recorded March 21, 2014 at Reel 5241 Frame 0411**

Trademark Application

Mark	Appl. No.	Filing Date
TRUTURN LITE	86005119	07/09/13

**Consolidated Metco, Inc.
(Delaware Corporation)**

**Notice of Grant of Security Interest in Copyrights
Granted by Consolidated Metco, Inc.
In Favor of Bank of America, N.A., as Collateral Agent
Recorded March 4, 2019 at Volume 9970 Doc. No. 759**

Copyright Registrations

Title	Reg. No.	Reg. Date
ConMet TruTurn Brake Drums.	TX0008292217	07/11/2016
ConMet TruTurn Brake Drums.	TX0008292174	07/11/2016

Second Amended and Restated Intellectual Property Agreement
Granted by Amsted Industries Incorporated, ABC Rail Products China Investment Corporation,
Amconstruct Corporation, Amrail Corporation, Amsted International Services, Inc., Amsted Rail
Company, Inc., Amsted Rail India Company Inc., Amsted Rail International Holdings, Inc.,
Amsted Rail International, Inc., Amsted Rail Ventures, Inc., Amvehicle Corporation, ASF-
Keystone Mexico Holding Corp., ASF-Keystone, Inc., BAC India Holding Co., BAC International
Holdings Inc., Balticare, Inc., Baltimore Aircoil Company, Inc., Baltimore Aircoil International
Sales Co., BN Mexico Holding Company, Inc., Burgess-Norton China Inc., Burgess-Norton Mfg.
Co., Inc., Consolidated Metco China, Inc., Consolidated Metco, Inc., Diamond Chain China
Company Inc., Diamond Chain Company, Inc., Griffin Pipe Products Co., Inc., Means Industries,
Inc., Meridian Rail China Investment Corp., TransForm Automotive LLC, and Transolutions, Inc.
In Favor of Bank of America, N.A., as Collateral Agent
Recorded November 18, 2011 at Reel 027253 Frame 0488
Recorded November 18, 2011 at Reel 4663 Frame 0117
No 2011 recordation on copyrights

Amsted Industries Incorporated
(Delaware Corporation)

U.S. Patents

Issued Patents

Description	Patent No.	Issued
RAILWAY TRUCK BEARING ADAPTER	7387074	06/17/08
BRAKE DRUM STACKING METHOD AND BRAKE DRUM WITH DRUM STACKING STRUCTURE	7044273	05/16/06
METHOD OF MAKING BOLSTERS AND SIDEFAMES FOR RAILWAY CAR TRUCKS	6662853	12/16/03
CONSTANT CONTACT SIDE BEARING	6644214	11/11/03
METHOD OF MAKING SIDEFAMES FOR RAILWAY CAR TRUCKS	6622776	09/23/03
RAILCAR DRAFT GEAR ASSEMBLY AND SYSTEM	6446820	09/10/02
FRICTION SHOE FOR FREIGHT CAR TRUCK	6425334	07/30/02
END SILL ASSEMBLY WITH CENTER PLATE CASTING	6398047	06/04/02
HIGH CAPACITY INTEGRATED RAILWAY CAR TRUCK	6371033	04/16/02
SLACKLESS RAILWAY COUPLER WITH BUFF/DRAFT GEAR	6360906	03/26/02
DEAD LEVER LUG	6330862	12/18/01
RAILWAY CAR CENTER FILLER PLATE	6324995	12/04/01
DRAFT SILL WITH LOCKING CENTER PIN	6305561	10/23/01
LIGHT WEIGHT DRAFT SILL	6305298	10/23/01
METHOD OF REMOVING AND CHANGING BRAKE SHOES	6233806	05/22/01
MULTI-LEVEL FLUID TRANSFER APPARATUS, SYSTEM AND PROCESS	6210073	04/03/01
SIDE FRAME-BOLSTER INTERFACE FOR RAILCAR TRUCK ASSEMBLY	6173655	01/16/01
TAPERED WEAR LINER AND ARTICULATED CONNECTOR WITH TAPERED WEAR LINER	6167813	01/02/01
RAILWAY TRUCK SIDEFAME WITH REINFORCED COLUMNS	6125767	10/03/00
BOLSTERS FOR RAILWAY TRUCKS	6089166	07/18/00

Description	Patent No.	Issued
SIDEFRAMES FOR RAILWAY TRUCKS	5967053	10/19/99
METHOD OF MAKING RAILWAY TRUCK BOLSTERS	5954114	09/21/99
LIGHT WEIGHT DRAFT SILL	5931101	08/03/99
ALLIANCE COUPLER LOCK LIFTER SECURING ARM	5833086	11/10/98
RING SEAT REMOVAL SYSTEM FOR A RAILCAR ARTICULATE CONNECTOR	5809898	09/22/98
SIDE BEARINGS FOR TRUCK BOLSTERS	5806435	09/15/98
RAILWAY TRUCK CASTINGS AND METHOD AND CORES FOR MAKING CASTINGS	5752564	05/19/98
RAILWAY TRUCK SIDEFRAME WITH INTERNAL RIBS IN BOTTOM MEMBER	5718177	02/17/98
RAILWAY CAR COUPLER KNUCKLE	5582307	12/10/96
RAILCAR TRUCK BEARING ADAPTER CONSTRUCTION	5572931	11/12/96
CAST STEEL COMPOSITION FOR RAILWAY COMPONENTS	5482675	01/09/96
LIGHTWEIGHT TRUCK SIDEFRAME	5481986	01/09/96
SIDE ARM STRUCTURE OF A STEERING ARM ASSEMBLY HAVING AN UNDERCUT RADIUS	5461987	10/31/95
LUBRICATION MEANS FOR SLACK-FREE RAILCAR CONNECTIONS	5454475	10/03/95
BOLSTER FRICTION SHOE POCKET WITH RELIEVED OUTER WALL	5452665	09/26/95
SLACKLESS RAILWAY COUPLER WITH DRAFT/BUFF GEAR	5312007	05/17/94
COUPLER FOLLOWER WITH ELASTOMERIC WEAR PAD FOR PREVENTING METAL TO METAL CONTACT BETWEEN THE FOLLOWER AND THE CENTER SILL SIDE WALLS	5305899	04/26/94
SIDEFRAME WITH INCREASED FATIGUE LIFE HAVING LONGER CROSS-SECTIONAL THICKNESS TRANSITION ZONE	5305694	04/26/94
RAILWAY DRAWBAR WITH FABRICATED SECTION	5232106	08/03/93

Patent Applications

Description	Appl. No.	Filing Date
<i>TURBO CHARGER HOUSING</i>	<i>13124835 20110217162</i>	<i>04/18/11</i>
<i>METHOD OF CALCULATING ENVIRONMENT RISK OF A CHEMICAL IN SOIL</i>	<i>12072802 20090222217</i>	<i>02/29/08</i>
<i>METHOD OF CALCULATING ENVIRONMENTAL RISK OF A CHEMICAL</i>	<i>11391585 20070233400</i>	<i>03/29/06</i>
<i>RAILWAY CAR BEARING</i>	<i>12931249</i>	<i>01/28/11</i>
<i>IMPROVED BEARING SEAL CASE</i>	<i>13134646</i>	<i>06/14/11</i>
<i>RAILWAY WHEEL TESTING</i>	<i>13135915</i>	<i>07/19/11</i>

**Amsted Rail Company, Inc.
(Delaware Corporation)**

U.S. Patents

Issued Patents

Description	Patent No.	Issued
<i>RAILWAY TRUCK PEDESTAL BEARING ADAPTER</i>	7966946	06/28/11
TAPERED ROLLER BEARING WITH IMPROVED CAGE	7955001	06/07/11
MULTI-CARTRIDGE CUTTING TOOL AND RAILWAY WHEEL BORING ASSEMBLY	7942615	05/17/11
RAILWAY TRUCK WITH BEARING ADAPTER	7926428	04/19/11
<i>COUPLE CARRIER WITH IMPROVED LUG STRUCTURE FOR RAILROAD CARS</i>	7837046	11/23/10
<i>WIRELESS MONITORING DEVICE</i>	7825803	11/02/10
FLEXIBLE SENSOR INTERFACE FOR A RAILCAR TRUCK	7698962	04/20/10
RAILROAD TRAIN MONITORING SYSTEM	7688218	03/30/10
LOAD SENSING ARRANGEMENT	7685884	03/30/10
SEAL FOR RAILWAY CAR JOURNAL BEARING	7607836	10/27/09
DRAFT SILL WEAR LINER	7568584	08/04/09
RAILWAY FREIGHT CAR SIDE BEARING	7549379	06/23/09
CONSTANT CONTACT SIDE BEARING	7546807	06/16/09
JOURNAL BEARING BACKING RING	7534047	05/19/09
RAILWAY FREIGHT CAR TRUCK	7527131	05/05/09
RAILROAD FREIGHT CAR SIDEBEARING	7527003	05/05/09
<i>RAILWAY TRUCK PEDESTAL BEARING ADAPTER</i>	7513199	04/07/09
BOLSTER AND SPRING POCKETS FOR USE WITH RAIL TRUCK	7469641	12/30/08
NON-METALLIC INSERT FOR RAIL CAR BOLSTER WEDGE	7389731	06/24/08
RAILWAY TRUCK BEARING ADAPTER	7387074	06/17/08
SIDEFAME WITH ADAPTERS TO CONNECT SURFACE BRACKETS	7353759	04/08/08
<i>CONTAINER INSPECTION SYSTEM</i>	7324921	01/29/08
<i>RAILWAY TRUCK PEDESTAL BEARING ADAPTER</i>	7308855	12/18/07
RAILWAY TRUCK SUSPENSION DESIGN	7263930	09/04/07
THREE-PIECE MOTION CONTROL TRUCK SYSTEM	7174837	02/13/07
<i>WIRELESS MONITORING DEVICE</i>	7135976	11/14/06
<i>RIDE CONTROL CONSTANT CONTACT SIDE BEARING ARRANGEMENT</i>	7121212	10/17/06
<i>RAILWAY FREIGHT CAR END SILL TRANSITION MEMBER</i>	7069864	07/04/06
METHOD FOR CASTING OBJECTS WITH AN IMPROVED HUB CORE ASSEMBLY	7017647	03/28/06
<i>MULTI-PURPOSE UNIVERSAL SIDEFAME FOR RAILWAY TRUCKS</i>	7017498	03/28/06
COMMON CAST DRAFT SILL FOR TYPE E AND F DRAFT GEAR	6986432	01/17/06
METHOD FOR CASTING OBJECTS WITH AN IMPROVED RISER ARRANGEMENT	6932144	08/23/05
SPRING SEAT FOR A RAILWAY TRUCK SIDEFAME AND METHOD OF MAKING THE SAME	6823800	11/30/04
RAILWAY WHEEL ALLOY	6783610	08/31/04

Description	Patent No.	Issued
BORING RISER HOLES IN A GRAPHITE MOLD	6719502	04/13/04
FRICITION WEDGE FOR A RAILROAD CAR TRUCK HAVING A REPLACEABLE WEAR MEMBER	6691625	02/17/04
RAILCAR DRAFT GEAR ASSEMBLY AND SYSTEM	6681943	01/27/04
RAILWAY CAR TRUCK WITH A ROCKER SEAT	6672224	01/06/04
DUAL FRICTION WEAR PLATE ASSEMBLY FOR A RAILCAR SIDE FRAME	6631685	10/14/03
MOLTEN METAL LADLE TRANSPORT ARRANGEMENT	6506337	01/14/03
SEAL ASSEMBLY	6471211	10/29/02
RAILCAR CUSHIONING DEVICE AND METHOD FOR POSITIONING SAME	6357612	03/19/02
RISER TOPPING GATHERING SYSTEM AND METHOD	6318445	11/20/01
ARC FURNACE FUME COLLECTION METHOD	6301285	10/09/01
RAILCAR CUSHIONING DEVICE WITH INTERNAL SPRING	6279765	08/28/01
SIDEFAME WHEELBASE GAUGE	6272759	08/14/01
MATERIAL MOVING SYSTEM	6261043	07/17/01
METHOD AND APPARATUS FOR CONTROL OF COOLING RATE OF CAST STEEL RAILWAY WHEELS	6216362	04/17/01
RAILCAR CUSHIONING DEVICE WITH INTERNAL ELASTOMERIC SPRING	6199708	03/13/01
SIDE FRAME-BOLSTER INTERFACE FOR RAILCAR TRUCK ASSEMBLY	6186075	02/13/01
PEDESTAL ROCKER SEAT FOR PROVIDING PASSIVE AXLE STEERING TO A RIGID RAILWAY TRUCK	6142081	11/07/00
ARC FURNACE FUME COLLECTION METHOD	6136068	10/24/00
SHAFT JOURNAL BEARING AND SEAL WEAR RING ASSEMBLY	6126321	10/03/00
ARC FURNACE IMPROVED FUME COLLECTION	6081545	06/27/00
WETTING OF A POWDERY MATERIAL SUCH AS A BAGHOUSE DUST	6058622	05/09/00
RAIL CAR BUFFER	6047839	04/11/00
ARC FURNACE FUME COLLECTION SYSTEM AND METHOD	5987051	11/16/99
LABYRINTH-TYPE SEAL FOR RAILWAY CAR JOURNAL BEARING	5975533	11/02/99
WHEEL COOLING TUNNEL	5964272	10/12/99
SPLIT WEDGE BOLSTER POCKET INSERT	5943961	08/31/99
GRINDING WHEEL AND METHOD FOR REMOVAL OF SPRUES AND RISER PADS FROM CAST RAILCAR WHEELS	5938516	08/17/99
RAIL CAR BUFFER	5927523	07/27/99
POURING TUBE STRUCTURE AND ASSEMBLY	5919392	07/06/99
ARC FURNACE FUME COLLECTION SYSTEM AND METHOD	5905752	05/18/99
METHOD AND SYSTEM FOR CUTTING HUB BORES IN RAILROAD WHEELS	5891266	04/06/99
TEST APPARATUS FOR A RAILWAY WHEEL	5864065	01/26/99
RING SEAT REMOVAL SYSTEM FOR A RAILCAR ARTICULATED CONNECTOR	5850929	12/22/98
AUTOMATED WHEEL SORTING SYSTEM AND METHOD	5823357	10/20/98
BEARING ADAPTER AND ADAPTER PAD FOR RAILWAY TRUCKS	5799582	09/01/98

Description	Patent No.	Issued
RAILWAY TRUCK WITH ELASTOMERIC SUSPENSION	5791258	08/11/98
SLACKLESS DRAWBAR ASSEMBLY	5598937	02/04/97
BEARING AND JOURNAL ASSEMBLY	5588752	12/31/96
NON-CONTACT RAILWAY WHEEL TEST APPARATUS AND METHOD	5574233	11/12/96
GRAVITY WEDGE FOR A SLACKLESS RAILCAR CONNECTOR ASSEMBLY	5573126	11/12/96
BEARING ADAPTER AND ADAPTER PAD FOR RAILWAY TRUCKS	5562045	10/08/96
SHAFT JOURNAL BEARING HAVING IMPROVED SEAL WEAR RING	5549395	08/27/96
BEARING SEAL WITH OIL DEFLECTORS	5511886	04/30/96
CONDITION INDICATING SYSTEM FOR RAILWAY CAR CUSHIONING UNIT	5469978	11/28/95
ROCKER SEAT CONNECTION	5463964	11/07/95
BEARING ADAPTER FOR RAILWAY TRUCKS HAVING DOWNWARD DEPENDING ENDS ON ADAPTER PLATE FOR PROTECTING THE ADAPTER THRUST LUGS	5404826	04/11/95
HYDRAULIC—PNEUMATIC CUSHIONING DEVICE WITH PRESSURE INDICATOR	5351562	10/04/94
RAILWAY WHEEL	5333926	08/02/94
METHOD FOR SPRUE REMOVAL AND GRINDING OF RAILROAD WHEELS	5319892	06/14/94
APPARATUS FOR MODIFYING THERMAL GRADIENT FOR CASTING IN GRAPHITE MOLDS	5238216	08/24/93
FASTENING DEVICE FOR A RAILROAD CAR TRUCK ROCKER SEAT	5222441	06/29/93
BEARING SHAFT SEAL	5186548	02/16/93

Patent Applications

Description	Appl. No.	Filing Date
<i>RAILWAY CAR BEARING SEAL</i>	<i>12660916</i> <i>20110216993</i>	<i>03/08/10</i>
RAILWAY CAR ROLLER BEARING	12592334 20110123142	11/24/09
ROLLER BEARING SEAL	12587572 20110085755	10/13/09
ROLLER BEARING BACKING RING	12584820 20110064347	09/14/09
RAILWAY WHEEL ALLOY	12456764 20100322815	06/23/09
BEARING ASSEMBLY HAVING A DUST SEAL ARRANGEMENT WITH CONTACTING AND NON-CONTACTING DUST SEALS	12456685 20100322544	06/22/09
<i>SENSOR INTERFACE</i>	<i>12729519</i> <i>20100288157</i>	<i>03/23/10</i>
BEARING ASSEMBLY HAVING A DUAL STAGE SEAL	12386982 20100272381	04/27/09

Description	Appl. No.	Filing Date
<i>RAILROAD TRAIN MONITORING SYSTEM</i>	<i>12685049</i> <i>20100174428</i>	<i>01/11/10</i>
<i>IMPACT RESISTANT BRAKE BEAM WEAR LINER GUIDE</i>	<i>12806409</i>	<i>08/13/10</i>
<i>IMPROVED RAILWAY FREIGHT CAR TRUCK</i>	<i>13134647</i>	<i>06/14/11</i>
<i>RAILWAY CAR BRAKE BEAM WEAR LINER</i>	<i>12806446</i>	<i>08/13/10</i>
<i>RAILWAY COUPLER KNUCKLE</i>	<i>12806408</i>	<i>08/13/10</i>
<i>RAILWAY TRUCK SIDE BEARING</i>	<i>12807226</i>	<i>09/01/10</i>
<i>RAILWAY CAR BEARING SEAL</i>	<i>12804717</i>	<i>07/29/10</i>
<i>RAILWAY CAR BEARING SEAL</i>	<i>12924605</i>	<i>10/01/10</i>
<i>ROLLER BEARING SEAL</i>	<i>13200236</i>	<i>09/22/11</i>
<i>RAILWAY WHEEL TESTING</i>	<i>13134646</i>	<i>06/14/11</i>
<i>HAND BRAKE SENSOR</i>	<i>12861713</i>	<i>08/23/10</i>

**Baltimore Aircoil Company, Inc.
(Delaware Corporation)**

U.S. Patents

Issued Patents

Description	Patent No.	Issued
COOLING TOWER AIR INLET AND DRAIN PAN	7802774	09/28/10
HEAT TRANSFER TUBE ASSEMBLY WITH SERPENTINE CIRCUITS	7779898	08/24/10
COOLING TOWER SEAL JOINT	7610770	11/03/09
COOLING TOWER WITH DIRECT AND INDIRECT COOLING SECTIONS	7603774	10/20/09
COOLING TOWER WITH DIRECT AND INDIRECT COOLING SECTIONS	7484718	02/03/09
<i>CONTROL OF HEAT EXCHANGER OPERATION</i>	<i>7310958</i>	<i>12/25/07</i>
<i>EVAPORATIVE HEAT EXCHANGER AND METHOD</i>	<i>7107782</i>	<i>09/19/06</i>
LIQUID COLLECTION BASIN CONNECTION ASSEMBLY	7100634	09/05/06
LIQUID COLLECTION BASIN CONNECTION ASSEMBLY	7059346	06/13/06
DENSIFIED HEAT TRANSFER TUBE BUNDLE	6820685	11/23/04
WATER DISTRIBUTION CONDUIT	6644566	11/11/03
CIRCUITING ARRANGEMENT FOR A CLOSED CIRCUIT COOLING TOWER	6574980	06/10/03
METHOD OF OPERATING LOW PROFILE HEAT EXCHANGE METHOD WITH REDUCED WATER CONSUMPTION	6564864	05/20/03
ICE THERMAL STORAGE CONTROL	6415615	07/09/02
ICE THERMAL STORAGE CONTROL	6298676	10/09/01
FILM FILL-PACK FOR INDUCEMENT OF SPIRALING GAS FLOW IN HEAT AND MASS TRANSFER CONTACT APPARATUS WITH SELF-SPACING FILL-SHEETS	6260830	07/17/01
RIGID EVAPORATIVE HEAT EXCHANGES	6237900	05/29/01
ICE STORAGE COIL ARRANGEMENT	6216486	04/17/01
LOW PROFILE HEAT EXCHANGE SYSTEM AND METHOD WITH REDUCED WATER CONSUMPTION	6213200	04/10/01
FILM FILL-PACK FOR INDUCEMENT OF SPIRALING GAS FLOW IN HEAT AND MASS TRANSFER CONTACT APPARATUS WITH SELF SPACING FILL-SHEETS	6206350	03/27/01
CLOSED CIRCUIT HEAT EXCHANGE SYSTEM AND METHOD WITH REDUCED WATER CONSUMPTION	6142219	11/07/00
COOLING COIL FOR A THERMAL STORAGE TOWER	6138746	10/31/00
ROBOTIC WELDING	5904864	05/18/99
COMBINATION DIRECT AND INDIRECT CLOSED CIRCUIT EVAPORATIVE HEAT EXCHANGER	5816318	10/06/98
COMBINATION DIRECT AND INDIRECT CLOSED CIRCUIT EVAPORATIVE HEAT EXCHANGER WITH BLOW-THROUGH FAN	5724828	03/10/98
SOUND ATTENUATION ASSEMBLY FOR AIR-COOLING APPARATUS	5663536	09/02/97

Description	Patent No.	Issued
WATER TREATMENT SYSTEM	5480564	01/02/96
COMBINATION DIRECT AND INDIRECT CLOSED CIRCUIT EVAPORATIVE HEAT EXCHANGER	5435382	07/25/95
ENERGY CONSERVING FLUID FLOW DISTRIBUTION SYSTEM WITH INTERNAL STRAINER AND METHOD OF USE FOR PROMOTING UNIFORM WATER DISTRIBUTION	5431858	07/11/95
WATER TREATMENT PROCESS	5405541	04/11/95
MICROBIOLOGICAL CONTROL OF RECIRCULATING WATER IN EVAPORATIVE COOLING SYSTEMS AT IDLE CONDITIONS	5273687	12/28/93

Patent Applications

Description	Appl. No.	Filing Date
<i>LIQUID VESSEL LINER AND METHOD OF APPLICATION</i>	<i>12931107 20110117285</i>	<i>01/25/11</i>
<i>INDUCED DRAFT COOLING TOWER</i>	<i>12803650</i>	<i>07/02/10</i>
<i>BASIN LINER</i>	<i>12931107</i>	<i>01/25/11</i>
<i>MODULAR COOLING SYSTEM</i>	<i>12996587</i>	<i>03/29/11</i>
<i>COOLING SYSTEM WITH MICROCHANNEL HEAT EXCHANGER</i>	<i>12995499</i>	<i>03/29/11</i>
<i>COOLING TOWER ENTRY DOOR STRUCTURE</i>	<i>13065629</i>	<i>03/25/11</i>

Burgess-Norton Mfg. Co., Inc.
(Delaware Corporation)

U.S. Patents

Issued Patents

Description	Patent No.	Issued
METHOD OF MANUFACTURING CRANKSHAFT BUSHING	7931856	04/26/11
MANUFACTURE OF ELECTRIC MOTOR COMPONENT	7847443	12/07/10
METHOD FOR FORMING TAPERED PISTON PINS	7827683	11/09/10
MODULAR ELECTRIC MOTOR WITH STACKABLE STATOR POLES	7567010	07/28/09
MAGNETIC POWDER METAL COMPOSITE CORE FOR ELECTRICAL MACHINES	7538467	05/26/09
MAGNETIC POWDER METAL COMPONENT STATOR	7285893	10/23/07
SOFT MAGNETIC COMPOSITE POWDER METAL CORES	6956307	10/18/05
CONVEYOR SYSTEM	6629595	10/07/03
COMPACTING PRESS WITH PICKER SYSTEM	6267574	07/31/01
HOLD-DOWN SYSTEM FOR COMPACTING PRESS	6200525	03/13/01
METHOD FOR IMPROVEMENT OF INVOLUTE AND LEAD ERROR IN POWDER METAL GEARS	6134786	10/24/00
RAW MATERIAL DELIVERY SYSTEM FOR COMPACTING PRESS	5858415	01/12/99

Patent Applications

Description	Appl. No.	Filing Date
MAGNETIC POWDER METAL COMPOSITE CORE FOR ELECTRICAL MACHINES	12383069 20090183357	03/20/09
ANALYSIS OF POWDER METAL PRODUCTION OF A COMPONENT	12151112 20090276375	05/05/08
<i>MANUFACTURE OF INJECTOR CLAMPS</i>	<i>12807582</i>	<i>09/10/10</i>

Consolidated MetCo, Inc.
(Delaware Corporation)

U.S. Patents

Issued Patents

Description	Patent No.	Issued
<i>STRUCTURAL BUNK SYSTEM</i>	8015635	09/13/11
WHEEL HUB	7780243	08/24/10
<i>BRAKE DRUM FINISHING AND BALANCING</i>	7677144	03/16/10
METHOD OF DIE CASTING COMPRESSOR HOUSINGS	7179051	02/20/07
BRAKE DRUM STACKING METHOD AND BRAKE DRUM WITH DRUM STACKING STRUCTURE	7044273	05/16/06
TRUCK BRAKE DRUM	6666309	12/23/03
WHEEL HUB	D470447	02/18/03
DIE CAST COMPRESSOR HOUSING FOR CENTRIFUGAL COMPRESSORS WITH A TRUE VOLUTE SHAPE	6193463	02/27/01
WHEEL HUB ASSEMBLY AND METHOD OF INSTALLING A HUB ON AN AXLE	6149244	11/21/00
WHEEL HUB ASSEMBLY AND METHOD OF INSTALLING A HUB ON AN AXLE	5997103	12/07/99
WHEEL HUB ASSEMBLY AND METHOD OF INSTALLING A HUB ON AN AXLE	5757084	05/26/98

Patent Applications

Description	Appl. No.	Filing Date
<i>WHEEL HUB STRESS REDUCTION SYSTEM</i>	12806526 20100308643	08/16/10
<i>SPINDLE NUT HUB</i>	12802051	06/01/10
<i>PRESET WHEEL HUB ASSEMBLY</i>	12802038	06/01/10

Means Industries, Inc.
(Michigan Corporation)

U.S. Patents

Issued Patents

Description	Patent No.	Issued
<i>CONTROLLABLE OR SELECTABLE BI-DIRECTIONAL OVERRUNNING COUPLING ASSEMBLY</i>	8051959	11/08/11
<i>HIGH-EFFICIENCY VEHICULAR TRANSMISSION</i>	7942781	05/17/11
<i>OVERRUNNING RADIAL COUPLING ASSEMBLY AND METHOD FOR CONTROLLING THE ENGAGEMENT OF INNER AND OUTER MEMBERS OF THE ASSEMBLY</i>	7484605	02/03/09
<i>DRUM ASSEMBLY FOR A COUPLING ARRANGEMENT</i>	7387193	06/17/08
<i>OVERRUNNING COUPLING ASSEMBLY INCLUDING CLUSTERED PAWLS AND METHOD FOR CONTROLLING THE ENGAGEMENT OF PLANAR MEMBERS</i>	7344010	03/18/08
<i>OVERRUNNING CLUTCH HAVING SNAP RING SECURED THRUST PLATE</i>	7296668	11/20/07
<i>OVERRUNNING COUPLING ASSEMBLY HAVING IMPROVED SHIFT FEEL AND/OR NOISE REDUCTION</i>	7275628	10/02/07
<i>OVERRUNNING COUPLING ASSEMBLY AND METHOD FOR CONTROLLING THE ENGAGEMENT OF PLANAR MEMBERS</i>	7258214	08/21/07
<i>APPARATUS AND METHOD FOR STAMPING AND DEBURRING CLUTCH DISCS</i>	7178375	02/20/07
<i>DRUM ASSEMBLY FOR A COUPLING ARRANGEMENT</i>	7150347	12/19/06
<i>METHOD FOR DEBURRING AND TOOL FOR USE THEREIN</i>	6869257	03/22/05
<i>SOUND DAMPENED ONE-WAY CLUTCH</i>	6854577	02/15/05
<i>ONE-WAY CLUTCH APPARATUS</i>	RE38498	04/20/04
<i>ONE-WAY CLUTCH ASSEMBLY FEATURING IMPROVED STRUT STABILITY</i>	6571926	06/03/03
<i>PLANAR ONE-WAY CLUTCH</i>	6505721	01/14/03
<i>LOCKING TELESCOPING MEMBER WITH ATTITUDE- RESPONSIVE RELEASE</i>	6494423	12/17/02
<i>INERTIA-ACTUATED OVERRUNNING COUPLING ASSEMBLY</i>	6481551	11/19/02
<i>CONTROLLABLE OVERRUNNING COUPLING</i>	6244965	06/12/01
<i>ONE-WAY CLUTCH AND METHOD FOR MAKING SAME</i>	6193038	02/27/01
<i>OVERRUNNING COUPLING ASSEMBLY</i>	6186299	02/13/01
<i>ONE-WAY OVERRUNNING CLUTCH</i>	6129190	10/10/00
<i>OVERRUNNING COUPLING ASSEMBLY AND MANUFACTURING METHOD</i>	6125980	10/03/00
<i>OVERRUNNING COUPLING ASSEMBLY</i>	6116394	09/12/00
<i>STRUT FOR PLANAR ONE-WAY CLUTCH</i>	6065576	05/23/00
<i>DAMPER ASSEMBLY</i>	5979627	11/09/99
<i>LAMINATED PARTS AND METHOD OF MAKING SAME</i>	5972476	10/26/99
<i>ONE-WAY OVERRUNNING CLUTCH</i>	5964331	10/12/99
<i>OVERRUNNING PLANAR CLUTCH ASSEMBLY</i>	5918715	07/06/99
<i>ONE-WAY HIGH TORQUE CLUTCH ASSEMBLY</i>	5871071	02/16/99

Description	Patent No.	Issued
STEERING COLUMN ASSEMBLY	5870930	02/16/99
CLUTCH PLATE	5678675	10/21/97
ONE-WAY OVERRUNNING CLUTCH MECHANISM	5678668	10/21/97
ONE-WAY CLUTCH APPARATUS	5449057	09/12/95

Patent Applications

Description	Appl. No.	Filing Date
<i>OVERRUNNING COUPLING AND CONTROL ASSEMBLY INCLUDING AN ELECTROMECHANICAL ACTUATOR SUBASSEMBLY</i>	<i>13050377 20110233026</i>	<i>03/17/11</i>
<i>ENGAGEABLE COUPLING ASSEMBLY HAVING REDUCED SPIN LOSSES AND METHOD OF ASSEMBLING SUCH ASSEMBLY WITHIN AN AUTOMOTIVE TRANSMISSION TO REDUCE SUCH LOSSES</i>	<i>12940160 20110192697</i>	<i>11/05/10</i>
<i>HYBRID ELECTRIC VEHICLE DRIVE SYSTEM AND CONTROL SYSTEM FOR CONTROLLING A HYBRID ELECTRIC VEHICLE DRIVE SYSTEM</i>	<i>12964792 20110177900</i>	<i>12/10/10</i>
<i>CONTROLLABLE COUPLING ASSEMBLY AND OVERRUNNING COUPLING AND CONTROL ASSEMBLY UTILIZING SAME</i>	<i>12723986 20100252384</i>	<i>03/15/10</i>
<i>OVERRUNNING ONE-WAY CLUTCH OR COUPLING ASSEMBLY</i>	<i>12706161 20100230226</i>	<i>02/16/10</i>
<i>OVERRUNNING COUPLING AND CONTROL ASSEMBLY INCLUDING APPARATUS HAVING A LATCHING MECHANISM</i>	<i>12696781 20100200358</i>	<i>01/29/10</i>
<i>CONTROLLABLE OVERRUNNING COUPLING ASSEMBLY</i>	<i>12353575 20090211863</i>	<i>01/14/09</i>
<i>OVERRUNNING RADIAL COUPLING ASSEMBLY HAVING DUAL BEARING SUPPORT</i>	<i>12189429 20090045024</i>	<i>08/11/08</i>

**TransForm Automotive LLC
(Delaware LLC)**

U.S. Patents

Issued Patent

Description	Patent No.	Issued
<i>METHOD FOR MAKING VEHICLE AXLE DIFFERENTIAL CASING AND RESULTANT PRODUCT</i>	<i>7819040</i>	<i>10/26/10</i>

Patent Application

Description	Appl. No.	Filing Date
<i>LASER WELDED DIFFERENTIAL CASINGS FOR VEHICLE AXLES</i>	<i>12428621 20090266198</i>	<i>04/23/09</i>

**Amsted Industries Incorporated
(Delaware Corporation)**

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
<i>MICRO ALLOY</i>	3987318	06/28/11
<i>AMSTED RAIL</i>	3924407	03/01/11
AMSTED	3099825	06/06/06
AMSTED	3099823	06/06/06
MOTION CONTROL	2932033	03/08/05
ASF-KEYSTONE	2786124	11/25/03
TWIN-PACK	2894227	10/19/04
ASF and Design	2484760	09/04/01
SUPER SERVICE RIDEMASTER	2091997	08/26/97
BW	1888214	04/11/95
AR-1	1615604	10/02/90
SUPER SERVICE RIDE CONTROL	1600679	06/12/90
SLOPEGARD	1501251	08/23/88
ROADMASTER	1411223	09/30/86
ASF	0953037	02/13/73
RIDEMASTER	0767458	03/31/64
AMSTED	0771024	06/09/64
AMSTED	0771073	06/09/64
ASF	0513124	08/02/49
RIDE CONTROL	0514470	08/30/49
Design only	0514468	08/30/49
B-N	0518081	11/29/49
ALLIANCE	0500163	05/04/48
Design only	0137535	11/30/20

Trademark Applications

Mark	Application No.	Filing Date
<i>Design only</i>	76708232	07/05/11
<i>GRIFFIN MICRO ALLOY</i>	76704120	08/16/10

Amsted Rail Company, Inc.
(Delaware Corporation)

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
<i>UDL PLUS</i>	3972221	06/07/11
<i>TRU-FIT</i>	3933164	03/22/11
GEN2PLUS	3678201	09/08/09
PRELOAD PLUS	3656249	07/21/09
BLUE-WAVE and Design	3039463	01/10/06
BLUE-WAVE	3039462	01/10/06
<i>HOLLAMAX</i>	2553118	03/26/02
BRENCO	1777652	06/22/93
DDL	1752424	02/16/93
Design only	1631518	01/15/91
<i>HOLLUBE</i>	1098717	08/08/78
GRIFFIN	0750768	06/11/63
Design only	0705877	10/18/60
GRIFFIN	0611706	09/06/55

Trademark Applications

Mark	Application No.	Filing Date
<i>BLUE WAVE and Design</i>	76708952	09/02/11
<i>NON CONTACT SEAL</i>	76706421	02/15/11
<i>UNIT RAIL</i>	76703825	07/19/10
ISOLATOR	76700513	11/23/09

**ASF-Keystone, Inc.
(Delaware Corporation)**

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
BLUE-WAVE	3193703	01/02/07
BLUE-WAVE and Design	3208170	02/13/07
ADAPTER PLUS	3347040	12/04/07
EFFICIENCY PLUS	3485475	08/12/08
ASF RIDE CONTROL	2485724	09/04/01
SWING MOTION	2116175	11/25/97

Baltimore Aircoil Company, Inc.
(Delaware Corporation)

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
<i>BAC and Design</i>	3936134	03/29/11
VERSACROSS	3625044	05/26/09
B.A.C. and Design	3548665	12/23/08
BALTICARE	3402319	03/25/08
BALTICARE	3263930	07/17/07
TRIARMOR	3288543	09/04/07
BALTIMORE AIRCOIL COMPANY	2144457	03/17/98
BALANCE CLEAN	1889789	04/18/95
ENERGY-MISER	1758008	03/16/93
ICE-LOGIC	1762565	04/06/93
.(micro).-LOGIC and Design	1767284	04/27/93
EASY CONNECT	1735844	11/24/92
ICE CHILLER	1573197	12/26/89
BACOUNT	1532902	04/04/89
HIGH-K	1397559	06/17/86
BALTIDRIVE	1397406	06/17/86
BALTIBOND	1235677	04/26/83
BACROSS	1193576	04/13/82
B.A.C.	0926854	01/11/72
B.A.C. and Design	0947238	11/14/72
BAC and Design	0677693	04/28/59

Trademark Applications

Mark	Application No.	Filing Date
<i>BAC PARTS DEPOT</i>	76705145	10/29/10
<i>COOLING TOWER WORLD</i>	76704768	10/04/10

Burgess-Norton Mfg. Co., Inc.
(Delaware Corporation)

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
G20	3467281	07/15/08
G20 BURGESS-NORTH GUARANTEED SAVINGS PROGRAM and Design	3421785	05/06/08
PM FIRST	3368219	01/15/08
PM+	3571006	02/10/09
BURGESS-NORTON PM+ PARTNERING TO ENHANCE PERFORMANCE and Design	3555726	01/06/09
SOFT MAGNETIC COMPOSITES	3088883	05/02/06
QUALI-SINT	1619446	10/30/90
BURGESS-NORTON	1132076	04/01/80

Consolidated MetCo, Inc.
(Delaware Corporation)

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
POINTING THE WAY	3337832	11/20/07
TRUTURN	3005578	10/11/05
CASTLITE	2809174	01/27/04
CON MET	2499510	10/23/01
PRESET	2362639	06/27/00
CON MET and Design	0853151	07/23/68

Trademark Application

Mark	Application No.	Filing Date
PRESET PLUS	76707974	06/13/11

Diamond Chain Company, Inc.
(Delaware Corporation)

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
CHAIN OF COMMAND	2444398	04/17/01
RING LEADER	1439823	05/19/87
TUF-FLEX	0713467	04/04/61

Trademark Application

Mark	Application No.	Filing Date
<i>INFINITY</i>	76703737	07/12/10

**Means Industries, Inc.
(Michigan Corporation)**

U.S. Trademarks

Registered Marks

Mark	Registration No.	Registration Date
<i>MIAC</i>	<i>3206691</i>	<i>02/06/07</i>
<i>MEANS INDUSTRIES, INC. and Design</i>	<i>3346983</i>	<i>12/04/07</i>
MEANS DIODE MD	2564001	04/23/02
“THE ULTIMATE CLUTCH PLATE”	2177653	07/28/98

U.S. Registered Copyrights

Title	Registration No.	Reg. Date
Cost analysis	TX230504	
Cost analysis	TX230924	
Labor control	TX231174	
Testing roller impact	TX195355	
Fatigue test	TX195066	
Filter study	TX289232	

Intellectual Property Security Agreement Supplement
Granted by Amsted Industries Incorporated, Amconstruct Corporation, Amrail Corporation,
Amvehicle Corporation, ABC Rail Products China Investment Corporation, Amsted Rail
Company, Inc., ASF-Keystone, Inc., ASF Keystone Mexico Holding Corp., Baltimore Aircoil
Company, Inc., Burgess-Norton Mfg. Co., Inc., Consolidated Metco, Inc., Diamond Chain
Company, Griffin Pipe Products Co., Inc., Means Industries, Inc., Meridian Rail China Investment
Corp., and TransForm Automotive LLC
In Favor of Bank of America, N.A. (as successor to Citicorp North America, Inc.), as Collateral
Agent

Recorded July 12, 2010 at Reel 024662 Frame 0436

Recorded July 12, 2010 at Reel 4240 Frame 0030

Issued Patents

Description	Patent No.	Issued
BOLSTER AND SPRING POCKETS FOR USE WITH RAIL TRUCK	7469641	12/30/08
CONSTANT CONTACT SIDE BEARING	7546807	06/16/09
DRAFT SILL WEAR LINER	7568584	08/04/09
RAILWAY FREIGHT CAR SIDE BEARING	7549379	06/23/09
RAILROAD FREIGHT CAR SIDEBEARING	7527003	05/05/09
RAILWAY FREIGHT CAR TRUCK	7527131	05/05/09
COOLING TOWER WITH DIRECT AND INDIRECT COOLING SECTIONS	7603774	10/20/09
LIQUID COLLECTION BASIN CONNECTION ASSEMBLY	7100634	09/05/06
COOLING TOWER JOINT SEAL	7610770	11/03/09
MAGNETIC POWDER METAL COMPOSITE CORE FOR ELECTRICAL MACHINES	7538467	05/26/09
MAGNETIC POWDER METAL COMPONENT STATOR	7285893	10/23/07
MODULAR ELECTRIC MOTOR WITH STACKABLE STATOR POLES	7567010	07/28/09
SEAL FOR RAILWAY CAR JOURNAL BEARING	7607836	10/27/09
DRUM ASSEMBLY FOR A COUPLING ARRANGEMENT	7387193	06/17/08

Patent Applications

Description	Appl. No.	Filing Date
RAILROAD TRAIN MONITORING SYSTEM	11615309 20070152107	12/22/06
SENSOR INTERFACE	11615341 20070255509	12/22/06
BEARING ADAPTER FOR RAILWAY TRUCK	12283688	09/16/08
LOAD SENSING ARRANGEMENT	11763616 20080007114	06/15/07
POWERED TRANSMITTER FOR RAILROAD CAR APPLICATIONS	12080307 20090254277	04/02/08
HEAT TRANSFER TUBE ASSEMBLY WITH SERPENTINE CIRCUITS	11404003 20070240445	04/14/06
ROLLER BEARING LIP SEAL	12456685	06/22/09
ROLLER BEARING	12386982	04/27/09

Description	Appl. No.	Filing Date
IMPROVED ROLLER BEARING CAGE	12288296	10/20/08
ROLLER BEARING BACKING RING	12584820	09/14/09
ROLLER BEARING SEAL	12587572	10/13/09
RAILWAY CAR ROLLER BEARING	12592334	11/24/09
MULTI-CARTRIDGE CUTTING TOOL AND RAILWAY WHEEL BORING ASSEMBLY	12144048 20090257835	06/23/08
RAILWAY WHEEL ALLOY	12456764	06/23/09
RAIL ANCHOR	12459870	07/10/09
METHOD FOR FORMING TAPERED PISTON PINS	11502115 20080047125	08/11/06
COOLING TOWER AIR INLET AND DRAIN PAN	11595595 20080197515	02/20/07
LIQUID VESSEL LINER AND METHOD OF APPLICATION	11454648 20070289966	06/16/06
SYSTEM AND METHOD OF COOLING	12023182 20080115921	01/31/08
SOFT MAGNETIC COMPOSITE CORES	12383069 20090183357	03/20/09
METHOD OF MANUFACTURING CRANKSHAFT BUSHING	11897833 20090060771	09/04/07
METHOD OF MANUFACTURING CLUTCH COMPONENT	11704040 20080193320	02/09/07
MANUFACTURE OF CLUTCH COMPONENTS	11585297 20080095654	10/23/06
ANALYSIS OF POWDER METAL PRODUCTION	12151112 20090276375	05/05/08
MANUFACTURE OF ELECTRIC MOTOR COMPONENT	12082198 20090256430	04/10/08
RAIL ANCHOR ISOLATOR	11784754 20080251595	04/10/07
WHEEL HUB	12074191 20090218878	03/03/08
WHEEL HUB WITH COUNTERSUNK STUD HEAD	11907726 20090096276	10/16/07
RAIL ISOLATOR IN RAILROAD TIE	12220659 20100019056	07/28/08

Registered Marks

Mark	Registration No.	Registration Date
ADAPTER PLUS	3347040	12/04/07
BLUE WAVE and Design	3208170	02/13/07
BLUE WAVE LOGO	3039463	01/10/06
BLUE WAVE	3039462	01/10/06
AMSTED	3099825	06/06/06
BALTICARE	3263930	07/17/07
BALTICARE	3402319	03/25/08
BLUE WAVE	3193703	01/02/07

Mark	Registration No.	Registration Date
DESIGN-BAC IN CIRCLE	3548665	12/23/08
EFFICIENCY PLUS	3485475	08/12/08
G20	3467281	07/15/08
G20 (STYLIZED)	3421785	05/06/08
GEN2PLUS	3678201	08/08/09
PM FIRST	3368219	01/15/08
PM PLUS (BLOCK	3571006	02/10/09
PM PLUS (STYLIZED)	3555726	01/06/09
POINTING THE WAY	3337832	11/20/07
PRELOAD PLUS	3656249	06/21/09
TRIARMOR	3288543	09/04/07
VERSACROSS	3625044	05/26/09

Trademark Applications

Mark	Application No.	Filing Date
AMSTED RAIL	76695896	02/20/09
ISOLATOR	76700513	11/23/09
MOTION CONTROL	76700699	12/07/09

Intellectual Property Security Interest Assignment Agreement
Assignment of Lien Granted by Citicorp North America, Inc., as Resigning Collateral Agent (as
successor in interest of Citicorp USA, Inc.)
In Favor of Bank of America, N.A., as the Successor Collateral Agent
Recorded November 5, 2009 at Reel 023471 Frame 0036
Recorded November 5, 2009 at Reel 4091 Frame 0198
Recorded November 6, 2009 at Volume 3584 Doc. No. 823

Trademarks

Trademark	Registration Number	Application Number
"THE ULTIMATE CLUTCH PLATE"	2,177,653	75-159,279
μ-LOGIC and Design	1,767,284	74-275,734
ACT	2,275,487	75-390,635
ADVANCED VEHICLE DYNAMICS	2,114,293	75-224,025
AG-PRO	N/A	75-567,646
ALLIANCE	500,163	71-528,024
AMERICAN STEEL FOUNDRIES	2,313,401	75-509,794
AMSTED	771,024	72-156,292
AMSTED	771,073	72-150,338
AMSTED	771,304	72-143,857
AMSTED	771,422	72-146,870
AMSTED	771,452	72-146,882
AMSTED	2,203,797	75-331,061
AMSTED	3,099,823	76-638,566
AR-1	1,615,604	73-835,780
ASF	513,124	71-549,867
ASF	953,037	72-397,869
ASF	2,484,760	76-007,473
ASF RIDE CONTROL	2,485,724	75-645,687
ASF-2001	2,100,137	75-037,492
ASF-FOT	2,228,211	75-416,682
ASF-HD	2,185,417	75-225,015
ASF-KEYSTONE	2,786,124	76-480,261
B.A.C.	926,854	72-362,798
B.A.C.	947,238	72-362,797
B.A.C. BALTIMORE AIRCOIL	2,069,441	75-106,947
BAC	677,693	72-060,257
BAC EXPRESS	2,211,692	75-242,669
BACOUNT	1,532,902	73-746,560
BACROSS	1,193,576	73-315,196
BALANCE CLEAN	1,889,789	74-470,731
BALTIBOND	1,235,677	73-348,754
BALTIDRIVE	1,397,406	73-567,398
BALTIMORE AIRCOIL COMPANY	2,144,457	75-242,670
BN	1,888,214	74-507,118
B-N	518,081	71-536,759
BRENCO	1,777,652	74-287,549
BURGESS-NORTON	1,132,076	73-078,693
CASTLITE	2,809,174	76-396,037
CHAIN OF COMMAND	2,444,398	76-019,534

Trademark	Registration Number	Application Number
CON MET	853,151	72-252,611
CON MET	1,112,681	73-140,517
DDL	1,752,424	74-285,564
DEKA-LOK	1,492,583	73-532,201
Design only	137,535	71-127,791
Design only	238,186	71-255,167
Design only	514,468	71-547,812
Design only	628,218	71-698,329
Design only	705,877	72-094,065
Design only	753,987	72-121,831
Design only	780,240	72-184,039
Design only	1,452,936	73-636,706
Design only	1,631,518	74-045,143
Design only	1,777,793	74-308,517
Design only	2,390,562	75-479,286
DIAMOND	211,419	71-222,786
DIAMOND	442,375	71-507,045
DIAMOND	625,279	71-696,925
DIAMOND ACE	2,466,116	75-550,118
DL	1,016,256	73-005,239
DURALUBE	752,031	72-148,155
DUST STOPPER	N/A	76-504,800
DUST STOPPER	2,897,894	76-504,941
EASY CONNECT	1,735,844	74-203,574
EASY CONNECT	2,279,064	75-474,305
EJECTOR	1,537,338	73-746,564
ENERGY-MISER	1,165,224	73-105,020
ENERGY-MISER	1,758,008	74-290,319
EXTENDED LIFE	683,567	72-023,597
E-Z WRENCH	1,808,835	74-226,857
FAMILY OF TRUCKS	2,660,954	76-384,932
FERRO-MAG	N/A	76-641,731
GRIFFIN	611,706	71-648,917
GRIFFIN	750,768	72-130,209
H2 SEWER SAFE	2,064,429	74-675,787
HARVEST-PRO	N/A	75-568,245
HC	790,960	72-199,903
HIGH-K	1,397,559	73-567,681
HTM	1,189,122	73-239,634
HTM	1,218,879	73-239,635
HYLASTIC	513,142	71-552,928
ICE CHILLER	1,412,745	73-498,397
ICE CHILLER	1,573,197	73-800,210
ICE-LOGIC	1,762,565	74-275,758
IO BIO BACTERIA, SLIME AND ALG	1,911,246	74-522,999
IOBIO	1,820,357	74-301,691
JE PREMIER SERIES	1,866,892	74-470,651
KEY-GARD	1,812,873	74-292,586
KW	1,411,233	73-505,128
LOUVER-TO-LOUVER	1,830,888	74-275,756

Trademark	Registration Number	Application Number
LOW PROFILE	974,542	72-432,957
MEANS DIODE	2,373,617	75-497,574
MEANS DIODE MD	2,564,001	75-497,565
MICROPITCH	703,898	72-083,480
MOTION CONTROL	2,932,033	76-538,297
NOTHING OUTLASTS A DIAMOND	2,437,280	76-042,576
PERFECTLAP	1,518,663	73-733,474
PRECISION CAST	N/A	76-539,170
PRESET	2,362,639	75-318,765
PSYCHRO-NOMIC	1,750,031	74-278,284
QUALI-DENSE	2,158,769	75-275,949
QUALI-SINT	1,619,446	73-831,325
QUIK-DRAW	2,096,716	75-063,892
RIDE CONTROL	514,470	71-547,814
RIDEMASTER	767,458	72-174,736
RING LEADER	1,439,823	73-623,537
ROADMASTER	1,411,223	73-577,294
ROTO-ACTION	2,238,593	75-416,690
RSC	1,418,181	73-593,971
SAPPHIRE	1,563,035	73-746,562
SHARON	511,881	71-544,592
SHUDDER-LESS	1,960,884	74-501,269
SIMPLEX	296,593	71-325,552
SLACK FREE	1,445,737	73-596,228
SLACK FREE	1,713,441	74-167,951
SLOPEGARD	1,501,251	73-697,702
SOFT MAGNETIC COMPOSITES	3,088,883	76-642,783
SSRC	2,228,215	75-416,689
SSRIM	2,228,212	75-416,683
SSRM	2,228,214	75-416,688
STRUTCLUTCH	N/A	75-218,218
SUPER SERVICE	2,266,776	75-469,147
SUPER SERVICE RIDE CONTROL	1,600,679	73-835,779
SUPER SERVICE RIDEMASTER	2,091,997	75-020,932
SUPERKOOL	2,001,777	74-501,271
SUPERSILL	2,422,377	75-873,978
SWING MOTION	2,116,175	75-204,678
TAPERLOC	983,732	72-457,303
TRU-SPUN	782,281	72-193,355
TRUTURN	3,005,578	76-609,797
TUF-FLEX	713,467	72-099,725
TWIN-PACK	2,894,227	76-453,920
UNIT IV	1,734,355	74-226,856
UNIT RAIL ANCHOR	3,087,104	76-638,753
VERSA-FRAME	N/A	76-509,719
WILLISON	511,882	71-544,593
XDL	1,115,600	73-157,267
S	186,307	71-174,541

Patents

Title	Patent Number	Application Number
FLAME-HARDENED CAST STEEL HITCH LINK	N/A	09138221
IMPROVED FRICTION SHOE FOR FREIGHT CAR TRUCK	N/A	09460547
BORING RISER HOLES IN A GRAPHITE MOLD	N/A	10100576
RAILCAR SIDE FRAME CASTING METHOD	N/A	10156876
CONTOUR MOLD CASTING METHOD	N/A	10219854
RAILCAR BOLSTER CASTING METHOD	N/A	10222549
TRAILER HITCH	D379343	29037571
TRAILER HITCH	D373557	29038060
WHEEL HUB	D381615	29044054
STRAIGHT TUBE TRAILER HITCH	D420631	29061844
WHEEL HUB	D470447	29153788
LABYRINTH-TYPE SEAL FOR RAILWAY CAR JOURNAL BEARING	N/A	60025897
MANUFACTURE OF A RAILWAY TRUCK	N/A	60370268
HEAT EXCHANGER WITH INTERCHANGEABLE FAN ASSEMBLIES	N/A	60454661
HEAT EXCHANGER WITH HINGED FAN ASSEMBLIES	N/A	60454695
RADIAL TRUCK CENTERING BRAKE ASSEMBLY	4357999	06210510
ANGULARLY GROOVED CORRUGATED FILL FOR WATER COOLING TOWER	4361426	06227302
RAILROAD CAR TRUCK SIDE FRAME - BOLSTER CONNECTION	4363276	06187586
RESILIENT RAILWAY TRUCK BEARING ADAPTOR	4363278	06186218
TYPE-E RAILROAD CAR COUPLER HEAD	4363414	06209896
CONTROL OF CENTRIFUGAL PIPE CASTING OPERATION	4370719	06207389
RAILROAD CAR TRUCK BOLSTER ASSEMBLY	4370933	06251398
BEARING ADAPTER FOR RAILROAD TRUCKS HAVING STEERING ARMS	4373446	06172895
ALIGNING DRAWBAR	4422557	06417459
RAILWAY COUPLER SHELF CHAMFER	4438855	06341307
HELICAL COIL SPRING END FORMING	4441696	06279863
SLACKLESS RAILWAY COUPLER CONNECTION	4456133	06361399
RADIAL RAILWAY TRUCK	4458604	05907460
BOTTOM SHELF COUPLER WITH ANTICREEP PROTECTION MEANS	4466546	06371590
FULLY DENSE WEAR RESISTANT ALLOY	4474732	06087728
SNUBBED RAILWAY CAR TRUCK	4491075	06378202
METHOD OF PREVENTING SEGREGATION OF METAL POWDERS	4504441	06519516
RESTRAINED MECHANICAL PIPE JOINT	4506919	06455019
SERPENTINE FILM FILL PACKING FOR EVAPORATIVE HEAT AND MASS EXCHANGE	4518544	06459735
RAILWAY, COUPLER YOKE, DRAFT GEAR AND FOLLOWER ASSEMBLY	4537304	06458205
RAILWAY VEHICLE DRAFT SILL AND SLACKLESS DRAFT ASSEMBLY	4549666	06431246
BOLTLESS RESTRAINED PIPE JOINT	4552385	06455037

Title	Patent Number	Application Number
SPRAY NOZZLE	4568022	06137327
RAILWAY CAR DRAWBAR CONNECTION WITH GUIDED SLACK ADJUSTING WEDGES	4593827	06561873
ARTICULATED RAILWAY CAR CONNECTION WITH GUIDED SLACK ADJUSTING WEDGES	4593829	06561874
V-BELT DRIVE SYSTEM FOR CORROSIVE ATMOSPHERES	4601684	06586920
COUPLER KNUCKLE	4605133	06534814
IMPROVED BOLSTER FRICTION SHOE POCKET	4637319	06677390
ELASTOMERIC BEARING PAD WITH UNLIKE THREADED FASTENERS	4674412	06810698
RAILWAY COUPLER CARRIER RETENTION SYSTEM	4674639	06659184
GRINDING WHEEL ADVANCING APPARATUS	4679358	06842111
METHOD AND APPARATUS FOR POSITIONING AND TESTING RAILROAD WHEELS	4679447	06817921
CROSS FLOW EVAPORATIVE COIL FLUID COOLING APPARATUS AND METHOD OF COOLING	4683101	06813489
COMPRESSION SEALING OF TUBES WITHIN SHELL AND TUBE HEAT EXCHANGER	4691769	06883477
SEGMENTAL BAFFLE HIGH PERFORMANCE SHELL AND TUBE HEAT EXCHANGER	4699211	06879837
SLACKLESS RAILWAY COUPLER CONNECTION	4700853	06691077
HARDNESS TESTING APPARATUS	4719793	06938791
AIR DISTRIBUTION SYSTEM FOR LARGE COOLING TOWERS	4737321	07002572
SEAL STRUCTURE FOR JOINT BETWEEN TWO STRUCTURAL SECTIONS	4749307	07009764
RAILROAD CAR COUPLER ARRANGEMENT LIMITING EXCESS LATERAL MOVEMENT OF THE COUPLER SHANK	4776474	06699817
SAND DISPENSING ASSEMBLY	4809883	07104945
POURING TANK AND TRACK TRANSFER ASSEMBLY	4825772	06514940
THERMAL STORAGE UNIT WITH COIL EXTENSION DURING MELT	4831831	07155869
RAILWAY TRUCK BOLSTER WITH IMPROVED BRAKE ATTACHMENT	4838174	07200466
RAILROAD CAR COUPLER ARRANGEMENT LIMITING EXCESS LATERAL MOVEMENT OF THE COUPLER SHANK	4848611	07173232
ROTARY RAILWAY DRAWBAR COUPLER	4863045	07185878
DIAGONALLY BRACED RAILWAY TRUCK	4870914	07146379
LOW SILHOUETTE COOLING TOWER WITH TRAPEZOIDAL FILL AND METHOD OF AIR FLOW THERETHROUGH	4873028	07158603
TRANSITION DUCT FOR CENTRIFUGAL FAN	4891169	07271693
ELECTRICALLY GROUNDED RAILWAY TRUCK	4926757	07302902
GRAVITY WEDGE FOR SLACKLESS RAILCAR CONNECTIONS	4946052	07351066
FRICTION SHOE ASSEMBLY FOR REPAIR OF WORN RAILWAY TRUCK	4953471	07389410
TRAPEZOIDAL FILL SHEET FOR LOW SILHOUETTE COOLING TOWER	4957276	07397900

Title	Patent Number	Application Number
COOLING SYSTEM WITH SUPPLEMENTAL THERMAL STORAGE	4964279	07362966
ABSORPTION REFRIGERATION METHOD AND APPARATUS	4966007	07351067
PULLING LUG FOR RAILWAY VEHICLE COUPLER	4976362	07389548
RAILWAY COUPLER HEAD STRENGTHENED AT HORN LINE	4984696	07448370
RAILWAY VEHICLE ROTARY DRAWBAR ARRANGEMENT	5000330	07428063
BEARING ARRANGEMENT FOR RAILWAY DRAWBAR CONNECTION	5002192	07485641
FEMALE CONNECTING MEMBER WITH DISASSEMBLY FEATURE FOR ARTICULATED CONNECTION	5014626	07425026
SLACKLESS RAILCAR CONNECTIONS WITH EXTRACTABLE WEDGE	5035338	07483876
RESTRAINED PIPE JOINT	5037144	07518426
METHOD OF APPLYING A POLYOLEFIN COATING TO PIPE	5037600	07516358
COMBINED MECHANICAL REFRIGERATION AND ABSORPTION REFRIGERATION METHOD AND APPARATUS	5038574	07604577
MULTI FRICTION SIDE BEARING FOR A RAILCAR TRUCK	5046866	07582422
SLACKLESS COUPLER CONNECTION FOR A RAILWAY VEHICLE	5054630	07518925
ONE WAY DRIVE DEVICE	5070978	07511226
SLACKLESS RAILCAR CONNECTIONS WITH UPWARD WEAR INDICATOR	5080242	07458410
SELF ADJUSTING CONSTANT CONTACT SIDE BEARING FOR RAILCARS	5086707	07685044
RAILCAR TRUCK BOLSTER WITH IMMOBILIZED FRICTION SHOES	5086708	07607828
FRICTION SHOE FOR RAILCAR TRUCK	5095823	07628380
RAILCAR ARTICULATED CONNECTOR AND WEDGE SHIM THEREFORE	5097973	07673344
LIGHT WEIGHT FATIGUE RESISTANT RAILCAR TRUCK BOLSTER	5111753	07631905
COUPLER MEMBER RETENTION IN A RAILWAY VEHICLE	5115926	07568773
WEDGE SHIM AND FOLLOWER BLOCK FOR A RAILCAR ARTICULATED CONNECTOR	5133467	07692704
FREIGHT RAILCAR TRUCK AND BOLSTER FOR OUTBOARD SUPPORT OF CAR BODY BEARINGS LOCATED ENTIRELY OUTSIDE OF THE SIDEFAMES FOR RECEIVING THE ENTIRE VEHICLE WEIGHT WITH SIDE	5138954	07833158
HEAD PRESSURE CONTROLLER FOR AIR CONDITIONING AND REFRIGERATION SYSTEMS	5150581	07720023
APPARATUS FOR HANDLING RAILWAY WHEELS	5158416	07751244
RAIL ANCHOR WRENCH	5161292	07718387
DESICCANT BASED AIR CONDITIONING SYSTEM	5170633	07719921
SPRAY NOZZLE FLUID DISTRIBUTION SYSTEM	5180103	07738681
BEARING SHAFT SEAL	5186548	07832238
AIR PRE-COOLER METHOD AND APPARATUS	5193352	07695430

Title	Patent Number	Application Number
CENTER SILL WITH SHORT YOKE MEMBER FOR CONVERTING FROM COUPLER TO DRAWBAR ARRANGEMENT WITHOUT MODIFYING CENTER SILL	5193699	07807321
APPARATUS AND METHOD FOR SPRUE REMOVAL AND GRINDING OF RAILROAD WHEELS	5209021	07753037
FASTENING DEVICE FOR A RAILROAD CAR TRUCK ROCKER SEAT	5222441	07898703
STRENGTHENED STRUCTURE FOR A STEERING ARM ASSEMBLY HAVING A COMPOUND RADIAL FILLET AT JUNCTURE	5224428	07786042
OUTLET CONNECTION ASSEMBLY	5226681	07738682
RAILWAY DRAWBAR WITH FABRICATED SECTION	5232106	07908051
COOLING TOWER STRAINER TANK AND SCREEN	5232636	07738567
COUNTERFLOW SPRAY NOZZLE	5234161	07879983
APPARATUS FOR MODIFYING THERMAL GRADIENT FOR CASTING IN GRAPHITE MOLDS	5238216	07753092
FORCE DAMPENING MECHANISM OF A RAILROAD CAR TRUCK	5239932	07898707
LIMITED SLACK RAILCAR CONNECTOR HAVING ELASTIC SPACE MEMBER	5246135	07687560
IMPROVED CEMENT AND POLYOLEFIN LINED PRODUCT	5271974	07688839
LOCK FOR RAILWAY HOPPER CAR UNLOADING GATE	5272987	08011377
MICROBIOLOGICAL CONTROL OF RECIRCULATING WATER IN EVAPORATIVE COOLING SYSTEMS AT IDLE CONDITIONS	5273687	07988053
SIDEFAME WITH INCREASED FATIGUE LIFE HAVING LONGER CROSS-SECTIONAL THICKNESS TRANSITION ZONE	5305694	08079102
COUPLER FOLLOWER WITH ELASTOMERIC WEAR PAD FOR PREVENTING METAL TO METAL CONTACT BETWEEN THE FOLLOWER AND THE CENTER SILL SIDE WALLS	5305899	08083048
SLACKLESS RAILWAY COUPLER WITH DRAFT/BUFF GEAR	5312007	07986862
METHOD FOR SPRUE REMOVAL AND GRINDING OF RAILROAD WHEELS	5319892	07980356
COOLING TOWER STRAINER TANK AND SCREEN	5328600	08046655
TRUCK BOLTSE WITH Laterally Wider Friction Shoe Pocket and Mechanism for Lateral Travel of the Friction Shoe	5331902	08088070
A RAILWAY WHEEL	5333926	08036015
HYDRAULIC--PNEUMATIC CUSHIONING DEVICE WITH PRESSURE INDICATOR	5351562	08167454
SHAFT JOURNAL BEARING ASSEMBLY HAVING IMPROVED SEAL WEAR RING	5380102	08144511
SUPPLEMENTAL COOLING SYSTEM FOR COUPLING TO REFRIGERANT-COOLED APPARATUS	5383339	07988656
SUBCOOLING AND PROPORTIONAL CONTROL OF SUBCOOLING OF LIQUID REFRIGERANT CIRCUITS WITH THERMAL STORAGE OR LOW TEMPERATURE RESERVOIRS	5386709	07988547
INDIRECT CONTACT CHILLER AIR-PRECOOLER METHOD AND APPARATUS	5390505	08096744

Title	Patent Number	Application Number
WATER TREATMENT PROCESS	5405541	07900244
LIGHTWEIGHT FATIGUE RESISTANT RAILCAR TRUCK SIDEFRAME WITH TAPERING I-BEAM CONSTRUCTION	5410968	08131143
ALLOY MATERIAL ADDITION METHOD AND APPARATUS FOR SMELTING AND MELTING FURNACES	5427604	08160943
ALLOY MATERIAL ADDITION METHOD AND APPARATUS FOR SMELTING AND MELTING FURNACES	5427604	08160943
ENERGY CONSERVING FLUID FLOW DISTRIBUTION SYSTEM WITH INTERNAL STRAINER AND METHOD OF USE FOR PROMOTING UNIFORM WATER DISTRIBUTION	5431858	08227619
COMPRESSION MOLDING METHOD FOR SHAFT SEAL	5431872	08113449
COMBINATION DIRECT AND INDIRECT CLOSED CIRCUIT EVAPORATIVE HEAT EXCHANGER	5435382	08078629
LIGHTWEIGHT, IMPROVED PERFORMANCE TRUCK	5438934	08138497
ONE-WAY CLUTCH APPARATUS	5449057	08179105
TRUCK PEDESTAL DESIGN	5450799	08180026
BOLSTER FRICTION SHOE POCKET WITH RELIEVED OUTER WALL	5452665	08223553
LUBRICATION MEANS FOR SLACK-FREE RAILCAR CONNECTIONS	5454475	08216177
SIDE ARM STRUCTURE OF A STEERING ARM ASSEMBLY HAVING AN UNDERCUT RADIUS	5461987	08276563
CONDITION INDICATING SYSTEM FOR RAILWAY CAR CUSHIONING UNIT	5469978	08273727
WATER TREATMENT SYSTEM	5480564	08229797
LIGHTWEIGHT TRUCK SIDEFRAME	5481986	08336763
CAST STEEL COMPOSITION FOR RAILWAY COMPONENTS	5482675	08292511
DEVICE FOR IMPROVING WARP STIFFNESS OF A RAILCAR TRUCK	5503084	08323888
RAILCAR TRUCK BEARING ADAPTER CONSTRUCTION	5509358	08351809
BEARING SEAL WITH OIL DEFLECTORS	5511886	08247842
SPRING-PACK ASSEMBLY FOR A RAILWAY TRUCK BOLSTER ASSEMBLY	5524551	08294559
LIGHTWEIGHT RAILCAR TRUCK SIDEFRAME WITH INCREASED RESISTANCE TO LATERAL TWISTING	5546869	08501998
SHAFT JOURNAL BEARING HAVING IMPROVED SEAL WEAR RING	5549395	08471501
RAILCAR TRUCK BEARING ADAPTER CONSTRUCTION	5572931	08351775
GRAVITY WEDGE FOR A SLACKLESS RAILCAR CONNECTOR ASSEMBLY	5573126	08627802
NON-CONTACT RAILWAY WHEEL TEST APPARATUS AND METHOD	5574233	08324237
RAILWAY CAR COUPLER KNUCKLE	5582307	08436885
RAILWAY CAR OUTLET GATE ASSEMBLY WITH AUTOMATIC LOCK	5584251	08499930
BEARING AND JOURNAL ASSEMBLY	5588752	08610304

Title	Patent Number	Application Number
HEADER AND COIL ARRANGEMENT FOR COOLING APPARATUS	5596877	08515596
ONE-WAY CLUTCH APPARATUS	5597057	08382070
SLACKLESS DRAWBAR ASSEMBLY	5598937	08601180
LINEAR ONE WAY MOVEMENT DEVICE AND PASSENGER SEAT ASSEMBLY USING THE DEVICE	5647628	08438617
SOUND ATTENUATION ASSEMBLY FOR AIR-COOLING APPARATUS	5663536	08541853
RAILWAY CAR OUTLET GATE ASSEMBLY WITH AUTOMATIC LOCK	5671684	08705322
ONE-WAY OVERRUNNING CLUTCH MECHANISM	5678668	08703058
CLUTCH PLATE	5678675	08702211
ONE WAY DRIVE DEVICE WITH A DOG CLUTCH TO TRANSMIT TORQUE AND A RATCHET CLUTCH TO PROVIDE AN OVERRUN FUNCTION	5699889	08633033
RAILWAY TRUCK SIDEFAME WITH INTERNAL RIBS IN BOTTOM MEMBER	5718177	08783479
DEVICE FOR IMPROVING WARP STIFFNESS OF A RAILCAR TRUCK	5722327	08560971
COMBINATION DIRECT AND INDIRECT CLOSED CIRCUIT EVAPORATIVE HEAT EXCHANGER WITH BLOW-THROUGH FAN	5724828	08426029
DYNAMICALLY STABLE, LIGHTWEIGHT RAILCAR SUPPORT SYSTEM	5746136	08713987
RAILCAR TRUCK BEARING ADAPTER CONSTRUCTION	5746137	08700301
DOUBLE ACTING CENTER-OF-CAR CUSHIONING DEVICE	5746335	08637045
MULTI-RATE VERTICAL LOAD SUPPORT FOR AN OUTBOARD BEARING RAILWAY TRUCK	5749301	08713869
RAILWAY TRUCK CASTINGS AND METHOD AND CORES FOR MAKING CASTINGS	5752564	08780546
WHEEL HUB ASSEMBLY AND METHOD OF INSTALLING A HUB ON AN AXLE	5757084	08528738
RAILWAY TRUCK WITH ELASTOMETRIC SUSPENSION	5791258	08843020
RAILCAR TRUCK BEARING ADAPTER CONSTRUCTION	5794538	08831733
BODY MOUNT ASSEMBLY	5799930	08792173
ROLL CONTROL MECHANISM FOR SWING MOTION TRUCK	5802982	08916881
SIDE BEARINGS FOR TRUCK BOLSTERS	5806435	08709389
ONE WAY DRIVE DEVICE AND MECHANICAL ASSEMBLY INTEGRATING THE DEVICE	5806643	08641488
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DRAFT SILL AND WHEEL TRUCK CONNECTION	5809899	08671701
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AUTOMATED WHEEL SORTING SYSTEM AND METHOD	5823357	08893695
ALLIANCE COUPLER LOCK LIFTER SECURING ARM	5833086	08967873

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STEERING COLUMN ASSEMBLY	5870930	08707152
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ROBOTIC WELDING	5904864	08978723
ARC FURNACE FUME COLLECTION SYSTEM AND METHOD	5905752	08680145
RAIL CAR BUFFER AND METHOD	5908123	08785092
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GRINDING WHEEL AND METHOD FOR REMOVAL OF SPRUES AND RISER PADS FROM CAST RAILCAR WHEELS	5938516	08992193
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RAIL CAR BUFFER	6047839	09017383
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RAILWAY CAR OUTLET GATE ASSEMBLY WITH COMPACT INERTIAL LATCH	6073562	09057920
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RAILWAY TRUCK SIDEFRAME WITH REINFORCED COLUMNS	6125767	09105993
OVERRUNNING COUPLING ASSEMBLY AND MANUFACTURING METHOD	6125980	09479775
SHAFT JOURNAL BEARING AND SEAL WEAR RING ASSEMBLY	6126321	09371125
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ARC FURNACE FUME COLLECTION METHOD	6136068	09255156
COOLING COIL FOR A THERMAL STORAGE TOWER	6138746	09256522
APPARATUS AND METHOD FOR CONTROL OF ROLLER CHAIN ASSEMBLY	6141861	08925217
PEDESTAL ROCKER SEAT FOR PROVIDING PASSIVE AXLE STEERING TO A RIGID RAILWAY TRUCK	6142081	09074718
CLOSED CIRCUIT HEAT EXCHANGE SYSTEM AND METHOD WITH REDUCED WATER CONSUMPTION	6142219	09265505
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HOLD-DOWN SYSTEM FOR COMPACTING PRESS	6200525	09366516
FILM FILL-PACK FOR INDUCEMENT OF SPIRALING GAS FLOW IN HEAT AND MASS TRANSFER CONTACT APPARATUS WITH SELF SPACING FILL-SHEETS	6206350	09200546
MULTI-LEVEL FLUID TRANSFER APPARATUS, SYSTEM AND PROCESS	6210073	09201548
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LIGHT WEIGHT DRAFT SILL	6305298	09283081
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INERTIA-ACTUATED OVERRUNNING COUPLING ASSEMBLY	6481551	09723531
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METHOD FOR CASTING OBJECTS WITH AN IMPROVED HUB CORE ASSEMBLY	7017647	10845898
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RAILWAY TRUCK BEARING ADAPTER	7387074	11/216,707
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RAILCAR HYDRAULIC SHOCK ABSORBER BACKSTOP	D389093	29/064,745
Evaporative heat exchanger sump	N/A	10545240
Locomotive draft gear assembly and yoke	N/A	10618232
Sideframe pedestal	N/A	11335811

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Title	Registration Number
Cost analysis	TX 230-504
Cost analysis	TX 230-924
Labor control	TX 231-174
Testing roller impact	TX 195-355
Fatigue test	TX 195-066
Filter study	TX 289-232