

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2605564

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
JPMORGAN CHASE BANK, N.A.	10/14/2013
RECEIVING PARTY DATA	
Name:	WOLVERINE TUBE, INC.
Street Address:	2100 MARKET STREET NE
City:	DECATUR
State/Country:	ALABAMA
Postal Code:	35601
Name:	WOLVERINE JOINING TECHNOLOGIES, LLC
Street Address:	2100 MARKET STREET NE
City:	DECATUR
State/Country:	ALABAMA
Postal Code:	35601
PROPERTY NUMBERS Total: 12	
Property Type	Number
Patent Number:	6026892
Patent Number:	5597039
Application Number:	12056016
Application Number:	12167352
Application Number:	12194604
Application Number:	12341989
Application Number:	12573107
Application Number:	61368475
Application Number:	13191281
Application Number:	11447327

OP \$480.00 6026892

Application Number:	61530575
Application Number:	12974226

CORRESPONDENCE DATA

Fax Number: (215)832-5619
Phone: 215-569-5619
Email: pecsenye@blankrome.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
Correspondent Name: TIMOTHY D. PECSENYE
Address Line 1: ONE LOGAN SQUARE
Address Line 2: 8TH FLOOR
Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103-6998

ATTORNEY DOCKET NUMBER:	074658-13066
NAME OF SUBMITTER:	TIMOTHY D. PECSENYE
Signature:	/Timothy D. Pecsenye/
Date:	11/06/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 11

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**TERMINATION AND RELEASE OF
INTELLECTUAL PROPERTY SECURITY AGREEMENTS**

This Termination and Release of Intellectual Property Security Agreements (the “Release”) is conveyed as of October, 24, 2013, by **JPMORGAN CHASE BANK, N.A.**, as administrative agent under the Credit Agreement referred to below (in such capacity, the “Administrative Agent”), in favor of **WOLVERINE TUBE, INC.** (the “Company”) and **WOLVERINE JOINING TECHNOLOGIES, LLC** (“Joining Technologies” and together with the Company, the “Borrowers”). Capitalized terms used herein and not otherwise defined herein shall have the respective meanings provided therefor in the Credit Agreement referred to below.

WHEREAS, reference is made to: (a) the Credit Agreement, dated as of October 28, 2011 (as may be amended, restated, supplemented, or modified from time to time, the “Credit Agreement”), by and among the Borrowers, the other Loan Parties party thereto from time to time, the Lenders party thereto, and the Administrative Agent, (b) the Security Agreement, dated as of October 28, 2011 (as may be amended, restated, supplemented, or modified from time to time, the “Security Agreement”), by and among the Loan Parties and the Administrative Agent, (c) the Copyright Security Agreement, dated as of October 28, 2011 (as may be amended, restated, supplemented, or modified from time to time, the “Copyright Security Agreement”), by the Loan Parties in favor of the Administrative Agent, (d) the Patent Security Agreement, dated as of October 28, 2011 (as may be amended, restated, supplemented, or modified from time to time, the “Patent Security Agreement”), by the Loan Parties in favor of the Administrative Agent and (e) the Trademark Security Agreement, dated as of October 28, 2011 (as may be amended, restated, supplemented, or modified from time to time, the “Trademark Security Agreement”), by the Loan Parties in favor of the Administrative Agent;

WHEREAS, as provided in and in accordance with the term of Security Agreement, the Copyright Security Agreement, the Patent Security Agreement and the Trademark Security Agreement, each Borrower, among other things, granted to the Administrative Agent (for its own benefit and the benefit of the other holders of the Secured Obligations) as security for the payment or performance, as the case may be, in full of the Secured Obligations, a security interest (the “Security Interest”) in all of its right, title and interest in, to and under all of the Collateral, which includes, without limitation, (a) the copyrights and copyright licenses listed on Exhibit A attached hereto (collectively, the “Copyrights”), (b) the patent registrations and applications listed on Exhibit B attached hereto (collectively, the “Patents”), and (c) the trademark registrations and applications listed in Exhibit C and all of the goodwill of the business connected with the use of, and symbolized by the trademark registrations and applications (collectively, the “Trademarks” and together with the Copyrights and Patents, collectively, the “Specified IP”);

WHEREAS, (a) the Copyright Security Agreement was recorded with the United States Copyright Office (the “USCO”) on December 19, 2011 as document V3611 D487 P1-5, (b) the Patent Security Agreement was recorded with the United States Patent and Trademark Office (the “USPTO”) on November 15, 2011 at Reel 027232, Frame 0423 and (c) the

Trademark Security Agreement was recorded with the USPTO on November 15, 2011 at Reel 4661, Frame 0117;

WHEREAS, the Administrative Agent has agreed to terminate and release the Security Interest granted to it (for itself and on behalf of the other holders of the other Secured Obligations) under the Security Agreement, Copyright Security Agreement, Patent Security Agreement and Trademark Security Agreement solely in the Specified IP.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which the parties acknowledge, the Administrative Agent hereby agrees as follows:

1. The Administrative Agent, for itself and on behalf of the other holders of the Secured Obligations, hereby releases, terminates and discharges fully, the Security Interest in and lien on the Specified IP granted to it under the Security Agreement, Copyright Security Agreement, Patent Security Agreement and Trademark Security Agreement.

2. The Administrative Agent understands and hereby agrees that this Release may be recorded by any Borrower, at the sole cost and expense of the Borrowers, with the USPTO and the USCO, and with the patent and trademark and copyright authorities in the jurisdictions in which the Borrowers have such Patents, Trademarks, Copyrights or applications for such Patents, Trademarks or Copyrights, to provide notice of and/or effectuate the Release.

This Release shall be governed by, and construed in accordance with, the internal laws (and not the laws of conflicts) of the State of New York, but giving effect to federal laws applicable to national banks.

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IN WITNESS WHEREOF, the undersigned has caused this Release to be duly executed as of the date first written above.

JPMORGAN CHASE BANK, N.A., as
Administrative Agent

By: Eric A. Anderson

Name: Eric A. Anderson

Title: Vice President

EXHIBIT A

COPYRIGHTS

Title	Registration Number	Registered Year	Owner
ENGINEERING DATA BOOK, SECTION 2	RE 336-362	1987	WOLVERINE TUBE, INC.
WOLVERINE TRUFIN	A958739	1967	WOLVERINE TUBE
WOLVERINE TRUFIN ENGINEERING DATA BOOK	A958740	1967	
ENGINEERING DATA BOOK	A967955	1967	WOLVERINE TUBE, INC.
MEN OF WOLVERINE	RE336361	1987	WOLVERINE TUBE, INC.
WOLVERINE ALUMINUM TUBE AND SHAPES	RE 336363	1987	WOLVERINE TUBE, INC.
DESIGN AND COST COMPARISON OF HEAT EXCHANGERS USING WOLVERINE TRUFIN	RE336364	1987	WOLVERINE TUBE, INC.
WHAT DO YOU MEAN STRUBING?	A447074	1960	WOLVERINE TUBE, INC.
WATER TUBING	A476028	1960	WOLVERINE TUBE, INC.
TOMORROW'S METALS -TODAY!	A476029	1960	WOLVERINE TUBE, INC.

EXHIBIT B

PATENTS

TITLE	COUNTRY	APPLN. NO.	PATENT NO.
	BRAZIL	PI06184669	
BRAZING MATERIAL WITH CONTINUOUS LENGTH LAYER OF ELASTOMER CONTAINING A FLUX	CANADA	2,629,176	2,629,176
BRAZING MATERIAL WITH CONTINUOUS LENGTH LAYER OF ELASTOMER CONTAINING A FLUX	CHINA	ZL200680050260.3	101500746
BRAZING MATERIAL WITH CONTINUOUS LENGTH LAYER OF ELASTOMER CONTAINING A FLUX	INDIA	2285/KOLNP/2008	
	JAPAN	2008-540225	
	SOUTH KOREA	2008-7013946	
BRAZING MATERIAL WITH CONTINUOUS LENGTH LAYER OF ELASTOMER CONTAINING A FLUX	MEXICO	MX/a/2008/006132	301,796
BRAZING MATERIAL WITH CONTINUOUS LENGTH LAYER OF ELASTOMER CONTAINING A FLUX	WIPO	PCT/US06/43856	
HEAT TRANSFER TUBE WITH CROSS-GROOVED INNER SURFACE AND MANUFACTURING METHOD THEREOF	UNITED STATES	08/927,542	6,026,892
HEAT TRANSFER TUBES, INCLUDING METHODS OF FABRICATION AND USE THEREOF	GERMANY	037470523	60303306.7
METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	GERMANY	949186241	69425899.7

METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	EUROPEAN PATENT OFFICE	949186241	0727269
METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	SPAIN	949186241	0727269
METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	FRANCE	949186241	0727269
METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	UNITED KINGDOM	949186241	0727269
METHOD OF PRODUCING A SURFACE WITH ALTERNATING RIDGES AND DEPRESSIONS AND A TOOL FOR CARRYING OUT THE SAID METHOD	ITALY	949186241	0727269
	CHINA	ZL2007200682186.6	
FINNED TUBE WITH INDENTATIONS	UNITED STATES	12/056,016	
EVAPORATION AND CONDENSATION COMBINED TYPE HEAT-TRANSFER PIPE	CHINA	ZL200710036471.8	100498187
HEAT TRANSFER PIPE FOR CONDENSATION	CHINA	ZL200710043537.6	101338987
FINNED TUBE WITH STEPPED PEAKS	UNITED STATES	12/167,352	
FINNED TUBE WITH STEPPED PEAKS	WIPO	PCT/US08/069180	
HEAT-TRANSFER PIPE IN USE FOR STRENGTHENING CONDENSATION	CHINA	ZL200710036470.3	100485303

CONDENSER WITH GAS BAFFLE PLATE	CHINA	ZL200720073862.2	201203306
HEAT EXCHANGER WITH SLOPED BAFFLES	UNITED STATES	12/194,604	
TUBE WITH FINS HAVING WINGS	SOUTH KOREA	PCT/US08/60567	
TUBE WITH FINS HAVING WINGS	WIPO	PCT/US08/60567	
FINNED TUBE FOR CONDENSATION AND EVAPORATION	SOUTH KOREA	PCT/US08/60776	
	MEXICO	MX/a/2010/011462	
FINNED TUBE FOR CONDENSATION AND EVAPORATION	WIPO	PCT/US08/60776	
HEAT EXCHANGER WITH VARYING TUBE DESIGN	CHINA	ZL200810032586	101338959
HEAT EXCHANGER WITH VARYING TUBE DESIGN	UNITED STATES	12/341,989	
RETRACTABLE FINNING TOOL AND METHOD OF USING	AUSTRIA	05749473.4	1766315
HEAT TRANSFER TUBE AND METHOD OF AND TOOL FOR MANUFACTURING THE SAME	MEXICO	PCT/US03/018304	256994
COLD PLATE WITH PINS	UNITED STATES	12/573,107	
COLD PLATE WITH PINS	WIPO	PCT/US09/068591	
ELECTRONICS SUBSTRATE WITH ENHANCED DIRECT BONDED METAL	UNITED STATES	61/368,475	
ELECTRONICS SUBSTRATE WITH ENHANCED DIRECT BONDED METAL	UNITED STATES	13/191,281	
ELECTRONICS SUBSTRATE WITH ENHANCED DIRECT BONDED METAL	WIPO	PCT/US11/45623	
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	UNITED STATES	11/447,327	7,861,408
ENHANCED CLAD METAL BASE PLATE	UNITED STATES	61/530,575	

HEAT TRANSFER TUBES, INCLUDING METHODS OF FABRICATION AND USE THEREOF	CHINA	38087464	
HEAT TRANSFER TUBES, INCLUDING METHODS OF FABRICATION AND USE THEREOF	SOUTH KOREA	1.02005E+12	
HEAT TRANSFER TUBES, INCLUDING METHODS OF FABRICATION AND USE THEREOF	ISRAEL	164351	164351
HEAT TRANSFER TUBE AND METHOD OF AND TOOL FOR MANUFACTURING SAME	CANADA	2,489,104	
METHOD AND TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES	CANADA	2,543,480	2,543,480
METHOD AND TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES	CHINA	ZL200480038922	1898520
METHOD AND TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES	INDIA	1095/KOLNP/2006	247277
RETRACTABLE FINNING TOOL AND METHOD OF USING	CANADA	2,566,792	
TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES	JAPAN	2008-503278	
TOOL FOR MAKING ENHANCED HEAT TRANSFER SURFACES	ISRAEL	186024	186024
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	CANADA	2,605,966	
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	EUROPEAN PATENT OFFICE	67723213	
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	INDIA	4001/KOLNP/2007	

HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	ISRAEL	186705	186705
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	JAPAN	2008-515836	
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	MEXICO	MX/a/2007/015046	294,305
HEAT TRANSFER TUBE AND METHOD OF AND TOOL FOR MANUFACTURING THE SAME	CHINA	ZL200810173893	101435671
HEAT TRANSFER TUBES, INCLUDING METHODS OF FABRICATION AND USE THEREOF	CHINA	2.0091E+12	
HEAT TRANSFER SURFACE FOR ELECTRONIC COOLING	UNITED STATES	12/974,226	
EVAPORATOR TUBE AND METHOD	UNITED STATES	08/549,042	5,597,039

EXHIBIT C

TRADEMARK REGISTRATIONS

TRADEMARK	COUNTRY	REGISTRATION/ APPLICATION NO.	OWNER
SILVACORE	UNITED STATES	2,863,455	WOLVERINE TUBE, INC.
FORGE-FIN	CANADA	TMA210325	WOLVERINE TUBE, INC.
CAPILATOR	CANADA	TMA108204	WOLVERINE TUBE, INC.
WOLVERINE	BRAZIL	814055575	WOLVERINE TUBE, INC.
WOLVERINE	UNITED STATES	0,917,516	WOLVERINE TUBE, INC.
TRUFIN	CANADA	TMA107832	WOLVERINE TUBE, INC.
TRUFIN	GERMANY	704291	WOLVERINE TUBE, INC.
TRUFIN	UNITED KINGDOM	976867	WOLVERINE TUBE, INC.
TRUFIN	UNITED KINGDOM	976868	WOLVERINE TUBE, INC.
TRUFIN	UNITED STATES	0,418,091	WOLVERINE TUBE, INC.
W (& Design)	CANADA	225372	WOLVERINE TUBE, INC.
VERSATUBE	CANADA	TMA107833	WOLVERINE TUBE, INC.
SILVABRITE	UNITED STATES	2,002,515	WOLVERINE TUBE, INC.
SILVABRITE	VENEZUELA	126348F	WOLVERINE TUBE, INC.
SILVABRITE 100	CANADA	TMA372715	WOLVERINE TUBE, INC.
SILVABRITE 100	JAPAN	2230640	JOINING TECHNOLOGIES
SILVABRITE 100	UNITED STATES	1,925,042	WOLVERINE TUBE, INC.
SILVALOY	UNITED STATES	2,002,514	WOLVERINE TUBE, INC.
SILVALOY	VENEZUELA	133035	WOLVERINE TUBE, INC.
TRUFIN	JAPAN	1373162	WOLVERINE TUBE, INC.
ULTA FLUX	UNITED STATES	1,962,014	WOLVERINE TUBE, INC.
CAPILATOR	UNITED STATES	3,505,037	WOLVERINE TUBE, INC.
W (& Streak Design)	UNITED STATES	3,457,558	WOLVERINE TUBE, INC.
W (& Streak Design)	INDIA	1720692	WOLVERINE TUBE, INC.
MICRO COOL	UNITED STATES	3,832,460	WOLVERINE TUBE, INC.
ENGINEERING THERMAL INNOVATION	UNITED STATES	3,764,957	WOLVERINE TUBE, INC.
ENGINEERING THERMAL INNOVATION	EUROPEAN UNION (CTM)	1008511	WOLVERINE TUBE, INC.
ENGINEERING	WIPO	1008511	WOLVERINE TUBE, INC.

THERMAL INNOVATION			
W WOLVERINE TUBE, INC. ENGINEERING THERMAL INNOVATION (& Design)	CHINA	1053548	WOLVERINE TUBE, INC.
W WOLVERINE TUBE, INC. ENGINEERING THERMAL INNOVATION (& Design)	JAPAN	1053548	WOLVERINE TUBE, INC.
W WOLVERINE TUBE, INC. ENGINEERING THERMAL INNOVATION (& Design)	UNITED STATES	4,015,009	WOLVERINE TUBE, INC.
W WOLVERINE TUBE, INC. ENGINEERING THERMAL INNOVATION (& Design)	WIPO	1053548	WOLVERINE TUBE, INC.
MICROCOOL	UNITED STATES	85-389,890	WOLVERINE TUBE, INC.
MICROCOOL	WIPO		WOLVERINE TUBE, INC.
MICROCOOL-CLAD	UNITED STATES	85-414,033	WOLVERINE TUBE, INC.
MICROCOOL-CLAD	WIPO		WOLVERINE TUBE, INC.