

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NUGRIPMETAL S.A.R.L.	11/23/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GRIPMETAL LIMITED
<b>Street Address:</b>	NAVAN ROAD
<b>Internal Address:</b>	ASHTOWN BUSINESS CENTER, SUITE D, GROUND FLOOR
<b>City:</b>	DUBLIN
<b>State/Country:</b>	IRELAND
<b>Postal Code:</b>	15
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14863923
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)358-3351
<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>	
<b>Phone:</b>	2483584400
<b>Email:</b>	glorzen@brookskushman.com
<b>Correspondent Name:</b>	BROOKS KUSHMAN P.C.
<b>Address Line 1:</b>	1000 TOWN CENTER
<b>Address Line 2:</b>	TWENTY-SECOND FLOOR
<b>Address Line 4:</b>	SOUTHFIELD, MICHIGAN 48075-1238
<b>ATTORNEY DOCKET NUMBER:</b>	AML0103PUSA1
<b>NAME OF SUBMITTER:</b>	MARTIN J. SULTANA
<b>SIGNATURE:</b>	/Martin J. Sultana/
<b>DATE SIGNED:</b>	12/10/2018
<b>Total Attachments: 11</b>	
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## Assignment

WHEREAS, **NUGRIPMETAL S.A.R.L.** whose full post office address is **46A, Avenue J.F. Kennedy, Luxembourg 1855** (hereinafter the "Assignor") is the assignor of inventions as fully set forth and described in patents and patent applications listed in Schedule "A" appended thereto; and

AND WHEREAS, **GRIPMETAL LIMITED**, whose full post office address is **Suite D, Ground Floor, Ashtown Business Centre, Navan Road, Dublin 15, Ireland** (hereinafter the "Assignee"), wishes to acquire all the Assignors' right, title and interest in and to the Inventions and to:

- a) all patent applications which may be filed for the Invention, including International Applications under the Patent Cooperation Treaty;
- b) all Letters Patent which may be granted or issued for the Invention;
- c) any divisions, continuations, renewals, prolongations, reissues and extensions of such patent applications and Letters Patent;
- d) all associated international priority rights;
- e) the right to file and prosecute such applications; and
- f) any and all patents which have been or may be granted by any country based either in whole or in part on the Invention of the patent applications and Letters Patent in all countries of the world, including the United States (collectively "the Patents");

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the Assignors sell, assign, and convey to **GRIPMETAL LIMITED**, its successors and assigns, all of the Assignors' right, title and interest in and to the Invention and the Patents, including the right to sue for and collect for said past infringements;

The Assignors authorize and request the duly constituted authorities of all countries of the world, including the Commissioner of Patents of the United States and the Commissioner of Patents of Canada, to issue the Patents to the Assignee, its successors and assigns, in accordance with the terms of this Assignment;

The Assignors have covenanted, and hereby covenant that they have the right to grant the rights and assume the obligations of this Assignment and that they have not executed, and will not execute, any agreement in conflict with this Agreement;

The Assignors agree that they will, promptly on request and without further consideration, communicate and co-operate fully with the Assignee, its successors and assigns, in all matters pertaining to the Invention(s) and the Patents including:

- a) the provision of all facts known and documents available to the Assignors relating to Invention(s) and Patents (including the histories thereof);
- b) the provision of oral and documentary evidence in any legal or administrative proceedings; and
- c) the execution of assignments, patent applications and any other documents which may be lawfully required by the Assignee or its successors or assigns

that, in the opinion of the Assignee, its successors and assigns, are desirable to file, prosecute, maintain or enforce the Patents, and for perfecting and maintaining the title to the Patents of the Assignee, its successors and assigns in all countries of the world, including the United States of America.

SIGNED at Luxembourg  
this 23<sup>rd</sup> day of November, 2018.

[Signature]  
At Dolkow  
Manager  
P. Garnero  
Manager

NUGRIPMETAL S.A.R.L.  
Name:  
Title:

**STATEMENT BY WITNESS**

I, Jana Strischek whose full post office  
address is: 46 A, Avenue J.F. Kennedy L-1855 Luxembourg make oath  
and say:

THAT I was personally present and did see Arne Dolkow and P. Garnero who <sup>are</sup> personally  
known to me to be the persons named in the above assignment, duly sign and execute the  
same.

SWORN before me at Luxembourg  
this 23<sup>rd</sup> day of November, 2018.

[Signature]  
Signature of Witness

SIGNED at Toronto, ONTARIO  
this 30<sup>th</sup> day of NOVEMBER, 2018.



GRIPMETAL LIMITED

Name:

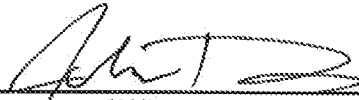
Title:

**STATEMENT BY WITNESS**

I, JOHN DUNIZ whose full post office address is:  
3370 PARLIAMENT AVE. SCARBOROUGH, ON, M1W 3K4 make oath and say:

THAT I was personally present and did see ROMAN ARBESMAN who is personally known to me to be the person named in the above assignment, duly sign and execute the same.

SWORN before me at Toronto, ONTARIO  
this 30<sup>th</sup> day of NOVEMBER, 2018.

  
\_\_\_\_\_  
Signature of Witness

**Schedule "A"**

**Patents**

<b>Country</b>	<b>Serial #</b>	<b>Title</b>
AUSTRIA	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
BRAZIL	BR112015013045-3	COMPOSITE DISC BRAKE BACKING PLATE
BRAZIL	BR112014029641-3	BULK TEXTURED MATERIAL SHEETING
BRAZIL	BR112014031445-4	PROCESS FOR MAKING A LAMINATED SHEET
BRAZIL	102016002566-4	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
BRAZIL	112016001603-3	METAL AND GRAPHITE LAMINATE
BRAZIL	102015024590-4	COMPOSITE DISC BRAKE BACKING PLATE
BRAZIL	102015024527-0	MATERIAL WITH VARIABLE HEIGHT BARBS
CANADA	2778455	BULK TEXTURED MATERIAL SHEETING
CANADA	2952340	TEXTURED LAMINATE SHEET, AND PROCESS AND APPARATUS FOR MANUFACTURING TEXTURED LAMINATE SHEET
CANADA	3010524	TEXTURED SHEET METAL, AND PROCESS AND APPARATUS FOR PRODUCING TEXTURED SHEET METAL
CANADA	2780397	PROCESS FOR MAKING A LAMINATED SHEET
CANADA	2967911	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
CANADA	2917245	THIN LAYER LAMINATE
CANADA	2919497	HYBRID LAMINATE
CANADA	2919811	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
CANADA	2821897	METAL AND GRAPHITE LAMINATE
CANADA	2857790	SYSTEM AND METHOD FOR ADDITIVE MANUFACTURING OF A THREE-DIMENSIONAL OBJECT

CANADA	2898344	SYSTEM AND METHOD FOR ADDITIVE MANUFACTURING OF A THREE-DIMENSIONAL OBJECT
CANADA	2865384	COMPOSITE DISC BRAKE BACKING PLATE
CANADA	2905972	COMPOSITE DISC BRAKE BACKING PLATE
CANADA	2865386	MATERIAL WITH VARIABLE HEIGHT BARBS
CANADA	2905923	MATERIAL WITH VARIABLE HEIGHT BARBS
CANADA	2798303	COMPOSITE DISC BRAKE BACKING PLATE
CHINA	2013800720006	COMPOSITE DISC BRAKE BACKING PLATE
CHINA	201380027691.8	BULK TEXTURED MATERIAL SHEETING
CHINA	201611205540.9	BULK TEXTURED MATERIAL SHEETING
CHINA	201380032016.4	PROCESS FOR MAKING A LAMINATED SHEET
CHINA	201611145694.3	PROCESS FOR MAKING A LAMINATED SHEET
CHINA	2015800761132	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
CHINA	2016100848151	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
CHINA	2014800525559	METAL AND GRAPHITE LAMINATE
CHINA	2017113629354	METAL AND GRAPHITE LAMINATE
CHINA	201510624358.6	COMPOSITE DISC BRAKE BACKING PLATE
CHINA	2015106275981	MATERIAL WITH VARIABLE HEIGHT BARBS
DENMARK	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
EURASIAN PATENT	201700337	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
EUROPEAN PATENT CONVENT	13830090.0	COMPOSITE DISC BRAKE BACKING PLATE
EUROPEAN PATENT CONVENT	13798052.0	BULK TEXTURED MATERIAL SHEETING
EUROPEAN PATENT CONVENT	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
EUROPEAN PATENT CONVENT	17189093.2	PROCESS FOR MAKING A LAMINATED SHEET
EUROPEAN PATENT CONVENT	15820626.8	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL



EUROPEAN PATENT CONVENT	16154705.4	MATERIAL WITH SELF-LOCKING BARBS
EUROPEAN PATENT CONVENT	14828679.2	METAL AND GRAPHITE LAMINATE
EUROPEAN PATENT CONVENT	15186819.7	COMPOSITE DISC BRAKE BACKING PLATE
EUROPEAN PATENT CONVENT	15186839.5	MATERIAL WITH VARIABLE HEIGHT BARBS
FRANCE	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
GERMANY	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
INDIA	4887/DELNP/2015	COMPOSITE DISC BRAKE BACKING PLATE
INDIA	8768/CHENP/2014	BULK TEXTURED MATERIAL SHEETING
INDIA	8648/CHENP/2014	PROCESS FOR MAKING A LAMINATED SHEET
INDIA	201614004035	MATERIAL WITH SELF-LOCKING BARBS & METHODS FOR LOCKING BARBS
INDIA	201617001977	METAL AND GRAPHITE LAMINATE
INDIA	3038/DEL/2015	COMPOSITE DISC BRAKE BACKING PLATE
INDIA	3039/DEL/2015	MATERIAL WITH VARIABLE HEIGHT BARBS
ITALY	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
JAPAN	2015-546103	COMPOSITE DISC BRAKE BACKING PLATE
JAPAN	2015-514294	BULK TEXTURED MATERIAL SHEETING
JAPAN	2015-517560	PROCESS FOR MAKING A LAMINATED SHEET
JAPAN	2017-207782	PROCESS FOR MAKING A LAMINATED SHEET
JAPAN	2016-020086	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
JAPAN	2016-516018	METAL AND GRAPHITE LAMINATE
JAPAN	2017-171512	METAL AND GRAPHITE LAMINATE
JAPAN	2015-188786	COMPOSITE DISC BRAKE BACKING PLATE
JAPAN	2015-188789	MATERIAL WITH VARIABLE HEIGHT BARBS
POLAND	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
RUSSIA	2015127203	COMPOSITE DISC BRAKE BACKING PLATE

RUSSIA	2014153057	BULK TEXTURED MATERIAL SHEETING
RUSSIA	2014153060	PROCESS FOR MAKING A LAMINATED SHEET
RUSSIA	2016103961	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
RUSSIA	2016105107	METAL AND GRAPHITE LAMINATE
RUSSIA	2015140907	COMPOSITE DISC BRAKE BACKING PLATE
RUSSIA	2015140729	MATERIAL WITH VARIABLE HEIGHT BARBS
SWEDEN	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
TAIWAN	102142899	COMPOSITE DISC BRAKE BACKING PLATE
TAIWAN	105113646	COMPOSITE DISC BRAKE BACKING PLATE
TAIWAN	104143190	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
TAIWAN	105104055	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
TAIWAN	104131859	COMPOSITE DISC BRAKE BACKING PLATE
TAIWAN	104131860	MATERIAL WITH VARIABLE HEIGHT BARBS
UNITED KINGDOM	13806600.6	PROCESS FOR MAKING A LAMINATED SHEET
UNITED STATES	14/534005	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	15/041798	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	15/585134	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	15/388492	TEXTURED LAMINATE SHEET, AND PROCESS AND APPARATUS FOR MANUFACTURING TEXTURED LAMINATE SHEET
UNITED STATES	62/452063	TEXTURED WORKPIECE AND METHOD FOR TEXTURING A WORKPIECE
UNITED STATES	15/703210	TEXTURED SHEET METAL
UNITED STATES	15/994540	TEXTURED SHEET METAL AND PROCESS AND APPARATUS FOR PRODUCING TEXTURED SHEET METAL
UNITED STATES	14/553741	BULK TEXTURED MATERIAL SHEETING
UNITED STATES	15/259433	BULK TEXTURED MATERIAL SHEETING
UNITED STATES	14/568462	PROCESS FOR MAKING A LAMINATED SHEET
UNITED STATES	14/972883	PROCESS FOR MAKING A LAMINATED SHEET

UNITED STATES	14/972868	PROCESS FOR MAKING A LAMINATED SHEET
UNITED STATES	14/580333	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
UNITED STATES	15/538485	COMPOSITE PANEL AND METHOD FOR MAKING COMPOSITE PANEL
UNITED STATES	14/593105	THIN LAYER LAMINATE
UNITED STATES	14/615310	HYBRID LAMINATE
UNITED STATES	14/617658	MATERIAL WITH SELF-LOCKING BARBS
UNITED STATES	15/014546	MATERIAL WITH SELF-LOCKING BARBS & METHOD FOR LOCKING BARBS
UNITED STATES	14/907350	METAL AND GRAPHITE LAMINATE
UNITED STATES	16/011596	METAL AND GRAPHITE LAMINATE
UNITED STATES	14/533218	WOOD-STEEL COMPOSITE STRUCTURE
UNITED STATES	14/808448	SYSTEM AND METHOD FOR ADDITIVE MANUFACTURING OF A THREE-DIMENSIONAL OBJECT
UNITED STATES	15/927996	SYSTEM AND METHOD FOR ADDITIVE MANUFACTURING OF A THREE-DIMENSIONAL OBJECT
UNITED STATES	14/534653	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	14/863923	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	15/484959	COMPOSITE DISC BRAKE BACKING PLATE
UNITED STATES	14/590444	MATERIAL WITH VARIABLE HEIGHT BARBS
UNITED STATES	14/863977	MATERIAL WITH VARIABLE HEIGHT BARBS
UNITED STATES	15/825336	MATERIAL WITH VARIABLE HEIGHT BARBS
WIPO	PCT/IB2013/002968	COMPOSITE DISC BRAKE BACKING PLATE
WIPO	PCT/CA2013/000500	BULK TEXTURED MATERIAL SHEETING
WIPO	PCT/IB2018/050496	TEXTURED WORKPIECE AND METHOD FOR TEXTURING A WORKPIECE
WIPO	PCT/CA2013/000501	PROCESS FOR MAKING A LAMINATED SHEET
WIPO	PCT/IB2015/059561	HOLLOW CORE COMPOSITE

WIPO	PCT/CA2014/000579	METAL AND GRAPHITE LAMINATE
WIPO	PCT/IB2015/055632	SYSTEM AND METHOD FOR ADDITIVE MANUFACTURING OF A THREE-DIMENSIONAL OBJECT

Designs

<u>Country</u>	<u>Serial #</u>	<u>Title</u>
BRAZIL	302012006120-2	COILED MATERIAL WITH SURFACE HOOK TEXTURE
CANADA	145893	COIL MATERIAL WITH SURFACE HOOK TEXTURE
CHINA	201230587037.0	COILED MATERIAL WITH SURFACE HOOK TEXTURE
EUROPE	002144139-0001	COILED MATERIAL WITH SURFACE HOOK TEXTURE
INDIA	249760	COIL MATERIAL WITH SURFACE HOOK TEXTURE
JAPAN	2012-029215	METAL PLATE
TAIWAN	101307023	COILED MATERIAL WITH SURFACE HOOK TEXTURE
UNITED STATES	29/438414	COILED MATERIAL WITH SURFACE HOOK TEXTURE