

## 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>
FABIEN VIGNON	09/12/2017
JEAN-FRANCOIS LHOSPITALIER	09/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
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<b>City:</b>	CLERMONT-FERRAND
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	63000
<b>Name:</b>	MICHELIN RECHERCHE ET TECHNIQUE, S.A.
<b>Street Address:</b>	ROUTE LOUIS BRAILLE 10
<b>City:</b>	GRANGES-PACCOT
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-1763
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15106734
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)433-7274
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<b>ATTORNEY DOCKET NUMBER:</b>	338180-1285
<b>NAME OF SUBMITTER:</b>	STEVEN C. HURLES
<b>SIGNATURE:</b>	/Steven C. Hurles/

<b>DATE SIGNED:</b>	12/14/2018
<b>Total Attachments: 2</b> source=Assignment#page1.tif source=Assignment#page2.tif	

ASSIGNMENT  
(JOINT)

THIS ASSIGNMENT, by (1) Fablen VIGNON and (3) Jean-Francois LHOSPITALIER, residing at Manufacture Francaise des Pneumatiques Michelin, 23, place des Carmes-Dechaux, DGD/P1 - F35 - Ladoux, F-63040 Clermont-Ferrand Cedex 9 (FR), and (hereinafter referred to as "the Assignor"), respectively witnesseth:

WHEREAS, the Assignor has invented certain new and useful inventions and improvements in

**EXTRUDER INCLUDING AN IMPROVED HOMOGENISING MEMBER AND METHOD FOR  
EXTRUDING A VISCOUS MATERIAL**

set forth in an application for Letters Patent of the United States, which is a

- (1)  Non-provisional application
- (a)  bearing Application No. 15/106,734 and filed on June 20, 2016;
- (b)  having an oath or declaration executed on even date herewith prior to filing of application
- (c)  having an oath or declaration executed on a different date than this Assignment;
- and

WHEREAS, COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, a corporation duly organized under and pursuant to the laws of France, and having a principal place of business at 12 Cours Sablon, F-63000 Clermont-Ferrand, FRANCE, and MICHELIN RECHERCHE ET TECHNIQUE, S.A., a corporation duly organized under and pursuant to the laws of Switzerland, and having a principal place of business at Route Louis Braille 10, CH-1763, Granges-Paccot, SWITZERLAND (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said Inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon, as well as any rights to sue for past infringement,

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, their successors, legal representatives, and assigns the entire right, title, and Interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of their successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenant and agree to and with the Assignee, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor are the sole and lawful owners of the entire right, title, and

interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenant and agree to and with the Assignee, their successors, legal representatives, and assign that the Assignor will, whenever counsel of the Assignee, or the counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference, ex parte reexamination, post grant opposition (if applicable), and inter partes review proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, their successors, legal representatives, and assigns, but at the cost and expense of the Assignee, their successors, legal representatives, and assigns;

AND the Assignor hereby authorize and request the attorneys of Dickinson Wright PLLC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignor hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, their successors, legal representatives, and assigns.

DATE: 09/12/2017 \_\_\_\_\_

  
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Fabien VIGNON

DATE: 09/12/2017 \_\_\_\_\_

  
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Jean-François LHOSPITALIER