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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIVIER SPINNLER	10/31/2017
PHILIPPE DONDEY	11/08/2017

RECEIVING PARTY DATA

Name:	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	
Street Address:	12 COURS SABLON	
City:	CLERMONT-FERRAND	
State/Country:	FRANCE	
Postal Code:	63000	
Name:	MICHELIN RECHERCHE ET TECHNIQUE S.A.	
Street Address:	ROUTE LOUIS BRAILLE 10	
City:	GRANGES-PACCOT	
State/Country:	SWITZERLAND	
Postal Code:	1763	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15543000

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	03161.900440.
NAME OF SUBMITTER:	LOCK SEE YU-JAHNES
SIGNATURE:	/Lock See Yu-Jahnes/

PATENT REEL: 044159 FRAME: 0156 504647667

Total Attachments: 4
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PATENT REEL: 044159 FRAME: 0157

ASSIGNMENT

WHEREAS, WE, whose names and addresses are listed in the following table:

Name	Address
OLIVIER SPINNLER	Manufacture Française des Pneumatiques Michelin
	DGD/PI – F35 – Ladoux
	63040 Clermont-Ferrand CEDEX 9, France
PHILIPPE DONDEY	Manufacture Française des Pneumatiques Michelin
	DGD/PI – F35 – Ladoux
	63040 Clermont-Ferrand CEDEX 9, France

have made an invention entitled METHOD FOR DETERMINING THE TEMPERATURE OF AN INTERNAL PART OF THE MATERIALS OF A TIRE, as set forth and described in an application for Letters Patent of the United States of America filed on July 12, 2017, and accorded U.S. Application No. 15/543,000, which is a national-stage entry of Patent Cooperation Treaty ("PCT") International Application No. PCT/FR2016/050616 filed on March 21, 2016, and also claims priority of French Application No. 1552412 filed on March 24, 2015;

WHEREAS, COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, a corporation organized and existing under the laws of France, and having an office for the transaction of business at 12 cours Sablon, 63000 Clermont-Ferrand, France, is desirous of acquiring an undivided interest in the rights and title in and to said invention and any improvements thereon, and in and to said application for Letters Patent therefor, and any Letters Patent which may be obtained therefore;

WHEREAS, MICHELIN RECHERCHE ET TECHNIQUE S.A., a corporation organized and existing under the laws of Switzerland, and having an office for the transaction of business at Route Louis Braille 10, 1763 Granges-Paccot, Switzerland, is desirous of acquiring an undivided interest in the rights and title in and to said invention and any improvements thereon, and in and to said application for Letters Patent therefor, and any Letters Patent which may be obtained therefore:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, OLIVIER SPINNLER and PHILIPPE DONDEY, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States of America, to us in hand paid by said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., and other valuable considerations unto us moving from said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto each of said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., their respective successors and assigns, an undivided interest in the rights

and title in and to said invention entitled METHOD FOR DETERMINING THE TEMPERATURE OF AN INTERNAL PART OF THE MATERIALS OF A TIRE, as set forth and described in said application for Letters Patent filed on July 12, 2017, as U.S. Application No. 15/543,000, and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, OLIVIER SPINNLER and PHILIPPE DONDEY, do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., each as assignees of an undivided interest in the rights and title in and to the same, for the sole use and benefit of said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., their respective successors and assigns;

AND WE, OLIVIER SPINNLER and PHILIPPE DONDEY, for the considerations aforesaid, do hereby covenant and agree to and with said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., their respective successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors, or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for each of said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., their respective successors and assigns, may be required or necessary more effectively to secure to and vest in each of said COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A., their respective successors and assigns, an undivided interest in the rights and title in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owners of the patent or patents which may be issued for said invention or improvements.

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IN WITNESS WHEREOF, WE, OLIVIER SPINNLER and PHILIPPE DONDEY, have set our hands and seals on the date(s) written below.

Subscribed and executed at _	CEDATAT (FRANCE)
on <u>40/34/1012</u> (Date)	(Place)
	OLIVIER SPINNLER
Subscribed and executed at	
on	(Place)
(Date)	
	PHILIPPE DONDEY

Attorney Docket No: 03161.900440. PATENT

IN WITNESS WHEREOF, WE, OLIVIER SPINNLER and PHILIPPE DONDEY, have set our hands and seals on the date(s) written below.

	Subscribed and executed at	
on		(Place)
-	(Date)	
	, Lim	OLIVIER SPINNLER
	Subscribed and executed at	Clerunt- Fernand
on _	OS November 2017 (Date)	(Place)
		PHILIPPE DONDEY

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RECORDED: 11/17/2017