## 504280353 03/20/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4327035

Street Address:1City:1State/Country:3	A E NV/SA OYOTA , TOYOTA OYOTA-S APAN		Execution Date 03/08/2017		
TOYOTA MOTOR EUROP   RECEIVING PARTY DATA   Name: 1   Street Address: 1   City: 1   State/Country: J	E NV/SA OYOTA , TOYOTA- OYOTA-S APAN	DOSHA KABUSHIKI KAISHA -CHO			
RECEIVING PARTY DATAName:1Street Address:1City:1State/Country:J	а ОҮОТА , ТОҮОТА- ОҮОТА- АРАN	DOSHA KABUSHIKI KAISHA -CHO			
RECEIVING PARTY DATAName:1Street Address:1City:1State/Country:J	а ОҮОТА , ТОҮОТА- ОҮОТА- АРАN	-CHO	03/08/2017		
Name:IStreet Address:1City:IState/Country:J	OYOTA , TOYOTA OYOTA-S APAN	-CHO			
Street Address:1City:1State/Country:J	, TOYOTA-S OYOTA-S APAN	-CHO			
City: T State/Country: J	OYOTA-S APAN				
State/Country:	APAN	HI, AICHI-KEN	1, TOYOTA-CHO		
			TOYOTA-SHI, AICHI-KEN		
Postal Code: 4		JAPAN			
	471-8571				
Patent Number:	954	3487			
CORRESPONDENCE DA	(70	)836-2787			
		e-mail address first; if that is hat is unsuccessful, it will be	s unsuccessful, it will be sent e sent via US Mail.		
		836-6400			
Email:		il@oliff.com			
•		FF PLC BOX 320850			
Address Line 1:		XANDRIA, VIRGINIA 22320-48	850		
		-			
		164449 MELISSA SNYDER			
NAME OF SUBMITTER: SIGNATURE:					
DATE SIGNED:		/Melissa Snyder/ 03/20/2017			
Fotal Attachments: 2		03/20/2017			

## <u>ASSIGNMENT</u>

WHEREAS, TOYOTA MOTOR EUROPE NV/SA, a company established under the laws of Japan whose address is Avenue Du Bourget 60, Brussels 1140 Belgium (hereinafter called "Assignor"), is the owner by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frame(s) indicated below of the following United States Letters Patent(s) and/or patent application(s) (hereinafter called "Patent Properties"):

Application or Patent		
Number and Date of	Named	Reel
Filing or Issue	Inventors	and Frame
9,548,487 B2 issued January 17,	Fabio ROSCIANO, Riccardo RUFFO,	037204/0700
2017	Luca BEVERINA, Mauro SASSI, and	
	Matteo Marco SALAMONE	

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a company established under the laws of Japan whose address is 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan, (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, nonprovisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions of the same.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, design, confirmation, substitute and reissue application(s) or extensions thereof; the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

## PATENT REEL: 041647 FRAME: 0869

Assignor agrees that this assignment is binding on Assignor and its successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States, resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignee.

Assignor agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

Assignor covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor grants the firm of OLIFF PLC of Alexandria, Virginia the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment is effective as of the 8th day of March, 2017.

Haya to Witness

Witness

Signature

Officer of Assignor

Hiroshi UEHARA Typewritten Name of Officer

Technical General Manager Title of Officer

2 of 2

PATENT REEL: 041647 FRAME: 0870

**RECORDED: 03/20/2017**