

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5640661

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KEVIN E. BOYLE	07/10/2019
RECEIVING PARTY DATA		
Name:	ZF ACTIVE SAFETY AND ELECTRONICS US LLC	
Street Address:	12025 TECH CENTER DRIVE	
City:	LIVONIA	
State/Country:	MICHIGAN	
Postal Code:	48150	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16448005	
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	TRW(RG)027922-PRI	
NAME OF SUBMITTER:	JAMES L. TAROLLI	
SIGNATURE:	/James L. Tarolli/	
DATE SIGNED:	07/29/2019	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I,

Kevin E. Boyle, 5121 Mountainbrook Circle, Hermitage, TN 37076;

have made new and useful improvements in **APPARATUS FOR USE IN TURNING STEERABLE VEHICLE WHEELS**; for which application for Letters Patent of the United States has been filed on June 21, 2019, under Serial No. 16/448, 005; and

WHEREAS, ZF Active Safety and Electronics US LLC, a corporation duly organized and existing under the laws of the State of Delaware, having a place of business at Livonia, County of Wayne, State of Michigan, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to me paid, the receipt whereof is hereby acknowledged, I, Kevin E. Boyle the said, do hereby assign, sell and set over unto the said ZF Active Safety and Electronics US LLC, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 16/448,005 for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said ZF Active Safety and Electronics US LLC, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said ZF Active Safety and Electronics US LLC, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said ZF Active Safety and Electronics US LLC, its successors or assigns.

Signed at
County of
This

and State of
day of July, 2019.

Kevin E Boyle
Kevin E. Boyle

STATE OF *Indiana*

COUNTY OF *Tippecanoe*

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)
)
SS:

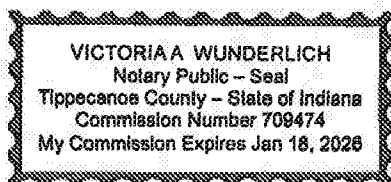
On this

10

day of *July*

, 2019.

Personally appeared before me Kevin E. Boyle to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.



Victoria A. Wunderlich

Notary Public

10 Jul 2019

PATENT

RECORDED: 07/29/2019

REEL: 049887 FRAME: 0111