503951670 08/09/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEFAN HAKSPIEL	06/15/2016
THOMAS KERDRAON	05/30/2016
ANDREAS P. FRIEDRICH	05/26/2016

RECEIVING PARTY DATA

Name:	ZF FRIEDRICHSHAFEN AG
Street Address:	GRAF-VON-SODEN-PLATZ 1
City:	FRIEDRICHSHAFEN
State/Country:	GERMANY
Postal Code:	88046
Name:	ALLEGRO MICROSYSTEMS, LLC
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01606

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14972242

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	ZFG-123
NAME OF SUBMITTER:	STEPHEN E. BONDURA
SIGNATURE:	/stephen e. bondura/

PATENT 503951670 REEL: 039633 FRAME: 0265

DATE SIGNED:	08/09/2016
Total Attachments: 4	
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PATENT REEL: 039633 FRAME: 0266

ATTORNEY DOCKET NO.: ZFG-123 (606398-US-NP)

ASSIGNMENT

WHEREAS. We, <u>Stefan Hakspiel</u>, a citizen of Germany residing at Am Dorfanger 13. 88074 Meckenbeuren, Germany; <u>Thomas Kerdraon</u>, a citizen of Germany residing at Lochmühleweg 8, 79853 Lenzkirch, Germany; and <u>Andreas P. Friedrich</u>, a citizen of Germany residing at 51 route des grands prés, 74370 Metz-Tessy, France, (hereinafter referenced as ASSIGNORS), have invented a certain new and useful invention entitled <u>Shifting Device of a Vehicle Gearbox</u>, for which an application for Letters Patent of the United States has been filed in the United States Patent and Trademark Office on December 17, 2015, as Application Serial No. 14/972,242;

AND WHEREAS, ZF Friedrichshafen AG, having its principal office and place of business at Graf-von-Soden-Platz 1, 88046 Friedrichshafen, Germany, and Allegro MicroSystems, LLC, having its principal office and place of business at 115 Northeast Cutoff, Worcester, MA 01606 (hereinafter ASSIGNEES) are desirous of jointly acquiring an interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said ASSIGNORS, by these presents do sell, assign and transfer unto the said ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention and in and to said application and all patents which may be granted therefor, and all divisionals, reissues, continuations, continuations-in-part, and extensions thereof, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said ASSIGNEES, for their interest as ASSIGNEES, their successors, assigns and legal representatives.

And we hereby agree, at the expense of ASSIGNEES, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in ASSIGNEES and to aid ASSIGNEES to obtain and enforce proper protection for said invention in all countries.

And we hereby agree to transfer a like interest, upon the request of said ASSIGNEES, their successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention;

PATENT REEL: 039633 FRAME: 0267 and to execute any papers by the said ASSIGNEES, its successors, assigns and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred.

Agreeing furthermore, upon request of said ASSIGNEES, and without further remuneration, to execute any and all papers desired by said ASSIGNEES for the filling and granting of applications and the perfecting of such right, title, and interest thereto in said ASSIGNEES.

This assignment executed on the date indicated below.

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Thomas Kerdraon	**
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Andreas P. Friedrich	~
Date	***

and to execute any papers by the said ASSIGNEES, its successors, assigns and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred.

Agreeing furthermore, upon request of said ASSIGNEES, and without further remuneration, to execute any and all papers desired by said ASSIGNEES for the filing and granting of applications and the perfecting of such right, title, and interest thereto in said ASSIGNEES.

This assignment executed on the date indicated below.

Stefan Haks	piel		***************************************
	Andrew Control of the	ø:	1
Date /			
Thomas Ker May 30, Date			
Andreas P. F	riedrich		
Data			

and to execute any papers by the said ASSIGNEES, its successors, assigns and legal representatives, deemed essential to ASSIGNEES* full protection and title in and to the invention hereby transferred.

Agreeing furthermore, upon request of said ASSIGNEES, and without further remuneration, to execute any and all papers desired by said ASSIGNEES for the filing and granting of applications and the perfecting of such right, title, and interest thereto in said ASSIGNEES.

This assignment executed on the date indicated below.

Stefa	n Hakspiel
Date	
Thon	as Kerdraon
Date	
Andr	eas P. Friedrich
ζ Date	6 May 2016

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RECORDED: 08/09/2016