506413087 12/18/2020

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZF FRIEDRICHSHAFEN AG	11/06/2020
IBEO AUTOMOTIVE SYSTEMS GMBH	11/23/2020

RECEIVING PARTY DATA

Name:	IBEO AUTOMOTIVE SYSTEMS GMBH	
Street Address:	MERKURRING 60-62	
City:	HAMBURG	
State/Country:	GERMANY	
Postal Code:	22143	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16954170
Application Number:	16954135

CORRESPONDENCE DATA

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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.

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Correspondent Name: THOMAS F. LEBENS

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ATTORNEY DOCKET NUMBER:	21295 149421 AND 149422	
NAME OF SUBMITTER:	THOMAS F. LEBENS	
SIGNATURE:	/ThomasFLebens38221/	
DATE SIGNED:	12/18/2020	

Total Attachments: 2

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PATENT 506413087 REEL: 054699 FRAME: 0512

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Assignment Agreement

To the State Intellectual Property Offices of South Korea and USA:

The following PCT applications

 PCT/EP2018/081990 with the title "Arrangement and method for determining a distance of at least one object using light signals", filed on November 20, 2018 and published as WO 2019/115184 A1 on June 20, 2019;

 PCT/EP2018/081992 with the title "Receiving arrangement for receiving light signals", filed on November 20, 2018 and published as WO 2019/115185 A1 on June 20, 2019;

3) PCT/EP2018/081586 with the title "LIDAR receiving unit", filed on November 16, 2018 and published as WO 2019/115148 A1 on June 20, 2019;

4) PCT/EP2018/081592 with the title "Method for Improved near and remote detection of a LIDAR receiving unit", filed on November 16, 2018 and published as WO 2019/115149 A1 on June 20, 2019; and

5) PCT/EP2018/081598 with the title "LIDAR Measurement System", filed on November 16, 2018 and published as WO 2019/115151 A1 on June 20, 2019

have the common applicants

ZF Friedrichshafen AG, Löwentaler Straße 20, 88046 Friedrichshafen, Germany

and

<u>Ibeo Automotive Systems GmbH,</u>

Merkurring 60-62,

22143 Hamburg,

PATENT REEL: 054699 FRAME: 0513

Germany.

Both of the two applicants agree hereby to designate Ibeo Automotive Systems GmbH ("Assignee") as the only applicant when entering the national phases of PCT/EP2018/081990, PCT/EP2018/081992, PCT/EP2018/081586, PCT/EP2018/081592 and PCT/EP2018/081598 into South Korea and USA. Therefore, the rights, title and interest of aforementioned PCT applications of ZF Friedrichshafen AG, Ibeo Automotive Systems GmbH ("Assignors") are herewith transferred with all rights and duties to Ibeo Automotive Systems GmbH ("Assignee") when entering the national phases into South Korea and USA.

The Assignors

1.) ZF Friedrichshafen AG

2.) Ibeo Automotive Systems GmbH

Name:

Dr. Davor Stoicic / Wolfgang Gebhard Name:

Dr. Ulrich Lages CEO 10: Hambing, 2341.2020

Position:

Senior Manager Intellectual Property ZF Group

Position:

Place, Date: Friedrichshafen, November 06, 2020

Place, Date:

i. V. DY Davor Stoicic

(Signature and Seal)

i. V. Wolfgang Gebhard

(Signature and

Med Automotive Systems Symbol 221/2 Name that Samuelly

The Assignee

Ibeo Automotive Systems GmbH

Name: Dr. Ulnich Lages Position: ()

Place, Date Homberg, 27-11.2020

(Signature an

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> **PATENT** REEL: 054699 FRAME: 0514

RECORDED: 12/18/2020