PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7831733

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IBEO AUTOMOTIVE SYSTEMS GMBH	02/16/2023

RECEIVING PARTY DATA

Name:	MICROVISION GMBH
Street Address:	NORDOSTPARK 16
City:	NUREMBERG
State/Country:	GERMANY
Postal Code:	90411

PROPERTY NUMBERS Total: 34

Property Type	Number
Patent Number:	10274589
Patent Number:	11262438
Application Number:	17577903
Application Number:	16772908
Application Number:	16954170
Application Number:	16954135
Application Number:	16772965
Patent Number:	11378660
Application Number:	16640999
Patent Number:	11474210
Patent Number:	11215710
Application Number:	16296179
Application Number:	17042821
Application Number:	17046629
Application Number:	17066704
Patent Number:	11520046
Patent Number:	11506761
Patent Number:	11448758
Application Number:	17181096
Patent Number:	10989804

Property Type	Number
Application Number:	17298449
Application Number:	17343877
Application Number:	17415533
Application Number:	16744430
Application Number:	17426006
Application Number:	16815331
Application Number:	17567025
Application Number:	17621911
Application Number:	17567027
Application Number:	17621939
Application Number:	17665515
Application Number:	17010764
Application Number:	17081223
Application Number:	17783915

CORRESPONDENCE DATA

Fax Number:

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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NAME OF SUBMITTER:	KEVIN D. WILLS
SIGNATURE:	/Kevin D. Wills/
DATE SIGNED:	03/07/2023

Total Attachments: 24
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ASSIGNMENT OF PATENT AND TRADEMARK RIGHTS

This **Assignment of Patent Rights** (this "Assignment") is entered into effective as of January 31, 2023 ("Effective Date").

WHEREAS, Ibeo Automotive Systems GmbH, a limited liability company organized under the laws of Germany, registered in the Commercial Register of the Local Court of Hamburg under HRB 111950, with registered business address at Merkurring 60-62, 22143 Hamburg, Germany (hereinafter "**Assignor**") is the owner of certain rights, title and interest in and to the patents, patent applications and registrations set forth in Exhibit A hereto and trademarks listed on Exhibit B hereto; and

WHEREAS, it is the intention of Assignor and **Microvision GmbH**, a limited liability organized under the laws of Germany, registered in the Commercial Register of the Local Court of Nuremberg under HRB 40266, with registered business address at Nordostpark 16, 90411 Nuremberg, Germany (hereinafter "**Assignee**"), that Assignee own all right, title and interest in and to the patents, patent applications, and related rights and Marks described below; and

WHEREAS, Assignor and Assignee have entered into that certain Asset Purchase Agreement ("the Purchase Agreement"), whereby Assignor has sold and transferred certain rights in and to such patents, patent applications, trademarks and related rights.

NOW, THEREFORE, in consideration of the mutual promises contained herein and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, pursuant to this Assignment of Patent Rights and subject to the Purchase Agreement, (1) Assignor hereby assigns, transfers, and conveys to Assignee, its permitted successors and assigns, all right, title, and interest in and to the patents and patent applications listed in Exhibit A attached hereto, and, correspondingly, (a) all foreign and U.S. counterpart patents and patent applications claiming priority from any of the patents or patent applications listed in Exhibit A, and (b) all continuations, divisionals, reissues, extensions, renewals and reexaminations that may issue from and claim priority to the foregoing (hereinafter collectively referred to as the **"Sold Patents"),** and including the right to own and prosecute in Assignee's own name any reexaminations, reissues, interferences, and all claims, causes of action, and enforcement rights under the Sold Patents, including, without limitation, the right to sue and recover for past, present, and future infringement of any of the Sold Patents, together with all goodwill associated therewith; and (2) transfer, convey and assign to Assignee all right, title and interest throughout and within the United States of America, its territories and possessions (including the Commonwealth of Puerto Rico), and anywhere else in the world, in and to the trademarks listed in Exhibit B ("Transferred Trademarks"), together with all goodwill associated therewith.

Assignor authorizes and requests the Director of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Sold Patents and Transferred Trademarks to Assignee, as Assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

IN WITNESS WHEREOF, each of the parties has caused this Assignment of Patent Rights to be executed on its behalf by a duly authorized officer on the day and year first above written.

ASSIGNOR
Ibeo Automotive Systems GmbH

By: _____
Print name: Dr. Ulrich Lages
Title: CEO
Date: 16 February 2023

ASSIGNEE
Microvision GmbH

By: _____
Print name: SUMIT SHARMA
Title: CEO
Date: March. 2, 2023

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 02-01 DE	DE	EP03021201	DE50313387.6 EP1418444	Method for determining the yaw rate of a vehicle
IBEO 02-01 EP	EP	EP03021201	EP1418444	Method for determining the yaw rate of a vehicle
IBEO 02-01 FR	FR	EP03021201	EP1418444	Method for determining the yaw rate of a vehicle
IBEO 02-01 GB	GB	EP03021201	EP1418444	Method for determining the yaw rate of a vehicle
IBEO 02-01 IT	IT	EP03021201	EP1418444	Method for determining the yaw rate of a vehicle
IBEO 02-01 SE	SE	EP03021201	EP1418444	Method for determining the yaw rate of a vehicle
IBEO 03-01 DE	DE	EP04005478	DE502004012484.4 EP1460454	Method for combined processing of high resolution images and video images
IBEO 03-01 EP	EP	EP04005478	EP1460454	Method for combined processing of high resolution images and video images
IBEO 03-02 DE	DE	EP04010318	DE502004004007.1 EP1475764	Method and apparatus for calculating the probability of a collision between a vehicle and an object
IBEO 03-02 EP	EP	EP04010318	EP1475764	Procedure and device for the determination of the probability for a collision of a vehicle with an article
IBEO 03-03 DE	DE	EP04025335A	DE502004012517.4 EP1531343	Method for Tracking Objects
IBEO 03-03 EP	EP	EP04025335A	EP1531343	Method for Tracking Objects
IBEO 03-03 FR	FR	EP04025335A	EP1531343	Method for Tracking Objects
IBEO 03-03 GB	GB	EP04025335A	EP1531343	Method for Tracking Objects
IBEO 03-03 IT	IT	EP04025335A	EP1531343	Method for Tracking Objects
IBEO 03-03 SE	SE	EP04025335A	EP1531343	Method for Tracking Objects

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 15-01	US	US15922764	10274589	Method and device for optically measuring distances
IBEO 15-01 CN	CN	201680061840.6	108885250	Method and device for optical measurement distance
IBEO 15-01 DE	DE	EP16763800	DE502016014096.0 EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-01 EP	EP	EP16763800	EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-01 FR	FR	EP16763800	EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-01 GB	GB	EP16763800	EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-01 IT	IT	EP16763800	EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-01 SE	SE	EP16763800	EP3350616	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02	US	US15976432	11262438	Method and device for optically measuring distances
IBEO 15-02 AT1	AT	EP16163529	E1277560 EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 CN	CN	201680066229.2	108463739	Method and apparatus for optical distance measurement
IBEO 15-02 DE1	DE	EP16163529	DE502016010098.5 EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 DE2	DE	EP16795318	DE502016014997.6 EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 EP1	EP	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 EP2	EP	EP16795318	EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING OF DISTANCE
IBEO 15-02 EP3	EP	EP22157415		METHOD AND DEVICE FOR OPTICALLY MEASURING OF DISTANCE

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 15-02 FI1	FI	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 FR1	FR	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 FR2	FR	EP16795318	EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 GB1	GB	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 GB2	GB	EP16795318	EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 IE1	IE	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 NL1	NL	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 SE1	SE	EP16163529	EP3168641	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 SE2	SE	EP16795318	EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02 IT2	IT	EP16795318	EP3374793	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 15-02-1	US	US17577903		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 17-01	US	US16772908		METHOD FOR IMPROVED NEAR AND REMOTE DETECTION OF A LIDAR RECEIVING UNIT
IBEO 17-01 CA	CA	CA3091563		METHOD FOR IMPROVED NEAR AND REMOTE DETECTION OF A LIDAR RECEIVING UNIT
IBEO 17-01 CN	CN	201880080668.8		Method for improved short-range and long-range detection of a LIDAR receiving unit
IBEO 17-01 DE1	DE	DE102017222969		Method for improved near and far detection of a LIDAR receiving unit
IBEO 17-01 EP	EP	EP18804314		METHOD FOR THE IMPROVED NEAR AND REMOTE DETECTION OF A LIDAR RECEIVING UNIT
IBEO 17-01 IL	IL	IL275323		Method for improved near and remote detection of a lidar receiving unit
IBEO 17-01 JP	JP	JP2020552102	7074874	A method to improve the local and remote detection of a LIDAR receiving unit
IBEO 17-01 KR	KR	KR1020207020424		Improved near-field and far-field detection method of LIDAR receiving unit
IBEO 17-02	US	US16954170		RECEIVING ARRANGEMENT FOR RECEIVING LIGHT SIGNALS

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 17-02 CA	CA	CA3085649		RECEIVING ARRANGEMENT FOR RECEIVING LIGHT SIGNALS
IBEO 17-02 CN	CN	201880081057.5		Receiving device for receiving optical signals
IBEO 17-02 DE1	DE	DE102017222972		Receiving arrangement for receiving light signals
IBEO 17-02 EP	EP	EP18807935		RECEIVING ARRANGEMENT FOR RECEIVING LIGHT SIGNALS
IBEO 17-02 IL	IL	IL275400		Receiving arrangement for receiving light signals
IBEO 17-02 JP	JP	JP2020552106	7052068	The receiver for receiving an optical signal
IBEO 17-02 KR	KR	KR1020207020422		Receiver for receiving optical signals
IBEO 17-03	US	US16954135		ARRANGEMENT AND METHOD FOR DETERMINING A DISTANCE OF AT LEAST ONE OBJECT USING LIGHT SIGNALS
IBEO 17-03 CA	CA	CA3085648		ARRANGEMENT AND METHOD FOR DETERMINING A DISTANCE OF AT LEAST ONE OBJECT USING LIGHT SIGNALS
IBEO 17-03 CN	CN	201880080890.8		Apparatus and method for determining a distance of at least one object using optical signals
IBEO 17-03 DE1	DE	DE102017222974		Arrangement and method for determining a distance of at least one object with light signals
IBEO 17-03 EP	EP	EP18807934		ASSEMBLY AND METHOD FOR ASCERTAINING THE DISTANCE TO AT LEAST ONE OBJECT USING LIGHT SIGNALS
IBEO 17-03 IL	IL	IL275402		Assembly and method for ascertaining the distance to at least one object using light signals
IBEO 17-03 JP	JP	JP2020552105		Assemblies and methods for determining the distance of at least one object using an optical signal
IBEO 17-03 KR	KR	KR20207020421		Apparatus and method for determining distance of at least one object using optical signals
IBEO 17-04	US	US16772965		LIDAR MEASUREMENT SYSTEM
IBEO 17-04 CA	CA	CA3091048		LIDAR MEASUREMENT SYSTEM
IBEO 17-04 CN	CN	201880080666.9		LIDAR measurement system
IBEO 17-04 DE1	DE	DE102017222970		LIDAR measuring system
IBEO 17-04 EP	EP	EP18804315		LIDAR MEASURING SYSTEM

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 17-04 IL	IL	IL275324		Lidar measurement system
IBEO 17-04 JP	JP	JP2020552103	7074875	LIDAR measurement system
IBEO 17-04 KR	KR	KR1020207020425	102444307	LIDAR measuring system
IBEO 17-05	US	US16772887	11378660	LIDAR receiving unit
IBEO 17-05 CA	CA	CA3085797		LIDAR RECEIVING UNIT
IBEO 17-05 CN	CN	201880081078.7		LIDAR receiving unit
IBEO 17-05 DE1	DE	DE102017222971		LIDAR receiving unit
IBEO 17-05 EP	EP	EP18804312		LIDAR RECEIVING UNIT
IBEO 17-05 IL	IL	IL275401		Lidar receiving unit
IBEO 17-05 JP	JP	JP2020552101		LIDAR receiving unit
IBEO 17-05 KR	KR	KR1020207020423	102433895	LIDAR Receiving Unit
IBEO 18-01	US	US16640999		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-01 CA	CA	CA3072010		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-01 CN	CN	201980004068.8		Method and device for optical distance measurement
IBEO 18-01 EP	EP	EP19701115		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-01 IL	IL	IL272355		Method and device for optically measuring distances
IBEO 18-02 DE	DE	DE102018202195	DE102018202195.3	Method for aligning an optical sensor
IBEO 18-03	US	US16280401	11474210	Method and device for optical distance measurement comprising a single evaluation unit with time multiplexing to evaluate reflected measurement pulses
IBEO 18-03 CA	CA	CA3034418		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-03 CN	CN	201910131119.5		Method and apparatus for optical distance measurement

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-03 EP	EP	EP18157748		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-03 IL	IL	IL264947		Method and device for optical distance measurement
IBEO 18-04	US	US16280376	11215710	Method and device for optical distance measurement
IBEO 18-04 CA	CA	CA3034415		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-04 DE	DE	EP18157749	DE502018004602.1 EP3531167	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-04 EP	EP	EP18157749	EP3531167	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-04 FR	FR	EP18157749	EP3531167	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-04 GB	GB	EP18157749	EP3531167	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-04 IL	IL	IL264948		Method and device for optical distance measurement
IBEO 18-04 IT	IT	EP18157749	EP3531167	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-05 CN	CN	201910171041.X		Method for receiving the reception device of optical signal and for receiving optical signal
IBEO 18-05 DE	DE	DE102018203533		Receiving arrangement for receiving light signals and method for receiving light signals
IBEO 18-05 EP	EP	EP19156476		RECEIVING ARRANGEMENT FOR RECEIVING LIGHT SIGNALS AND METHOD FOR RECEIVING LIGHT SIGNALS
IBEO 18-06	US	US16296179		RECEIVER ARRANGEMENT FOR THE RECEPTION OF LIGHT IMPULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT IMPULSES
IBEO 18-06 CN	CN	201910171212.9		Receive receiver assembly, LiDAR mould group and the method for receiving light pulse of light pulse
IBEO 18-06 DE	DE	EP19156472	DE502019002978.2 EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES
IBEO 18-06 DE1	DE	DE102018203534		Receiver arrangement for receiving light pulses, LiDAR module and method for receiving light pulses
IBEO 18-06 EP	EP	EP19156472	EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-06 FR	FR	EP19156472	EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES
IBEO 18-06 GB	GB	EP19156472	EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES
IBEO 18-06 IT	IT	EP19156472	EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES
IBEO 18-06 SE	SE	EP19156472	EP3537180	RECEIVER FOR RECEIVING LIGHT PULSES, LIDAR MODULE AND METHOD FOR RECEIVING LIGHT PULSES
IBEO 18-07	US	US17042821		LIDAR MEASURING SYSTEM WITH WAVELENGTH CONVERSION
IBEO 18-07 CA	CA	CA3094017		LIDAR MEASURING SYSTEM WITH WAVELENGTH CONVERSION
IBEO 18-07 CN	CN	201980022752.9		LIDAR measurement system using wavelength conversion
IBEO 18-07 DE1	DE	DE102018205381		LIDAR measuring system with wavelength conversion
IBEO 18-07 EP	EP	EP19716350		LIDAR MEASURING SYSTEM WITH WAVELENGTH CONVERSION
IBEO 18-07 IL	IL	IL277853		Lidar measuring system with wavelength conversion
IBEO 18-07 JP	JP	JP2020555211	7074881	The LIDAR measurement system provided with wavelength conversion
IBEO 18-07 KR	KR	KR1020207029019		LIDAR measurement system with wavelength conversion
IBEO 18-08 DE	DE	DE102018205369		Method for processing measured data of a LIDAR measuring system
IBEO 18-09 DE	DE	DE102018205386		LIDAR transmitting / receiving unit
IBEO 18-10	US	US17046629		METHOD FOR CONTROLLING SENSOR ELEMENTS OF A LIDAR MEASURING SYSTEM
IBEO 18-10 CA	CA	CA3095476		METHOD FOR CONTROLLING SENSOR ELEMENTS OF A LIDAR MEASURING SYSTEM
IBEO 18-10 CN	CN	201980025138.8		Method for controlling a sensor element of a lidar measurement system
IBEO 18-10 DE1	DE	DE102018205378		Method for controlling sensor elements of a LIDAR measuring system
IBEO 18-10 EP	EP	EP19716348		METHOD FOR ACTUATING SENSOR ELEMENTS OF A LIDAR MEASURING SYSTEM
IBEO 18-10 IL	IL	IL277855		Method for controlling sensor elements of a lidar measuring system

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-10 JP	JP	JP2020555232		Control method of sensor element of LIDAR measurement system
IBEO 18-10 KR	KR	KR1020207029070	102490683	How to control the sensor elements of the LIDAR measurement system
IBEO 18-11	US	US17066704		METHOD FOR CARRYING OUT A MEASUREMENT PROCESS
IBEO 18-11 CA	CA	CA3094023		METHOD FOR CARRYING OUT A MEASUREMENT PROCESS
IBEO 18-11 CN	CN	201980024681.6		Method for carrying out a measurement procedure
IBEO 18-11 DE1	DE	DE102018205376		Method for performing a measuring process
IBEO 18-11 EP	EP	EP19716351		METHOD FOR CARRYING OUT A MEASUREMENT PROCESS
IBEO 18-11 IL	IL	IL277852		Method for carrying out a measurement process
IBEO 18-11 JP	JP	JP2020554418	7195335	How to carry out the measurement process
IBEO 18-11 KR	KR	KR1020207026994	102478719	How to carry out the measurement process
IBEO 18-12 DE	DE	DE102018205373		LIDAR transmitting unit
IBEO 18-13 DE	DE	DE102018207297		LIDAR measuring system and method for mounting a LIDAR measuring system
IBEO 18-14 DE	DE	DE102018207294		LIDAR measuring system and method for mounting a LIDAR measuring system
IBEO 18-15 DE	DE	DE102018207293		LIDAR measuring system and method for mounting a LIDAR measuring system
IBEO 18-16 DE	DE	DE102018207283		LIDAR measuring system and method for mounting a LIDAR measuring system
IBEO 18-17 DE	DE	DE102018207281		Method for mounting a measuring system
IBEO 18-18	US	US16518343	11520046	METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-18 CA	CA	CA3050454		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-18 CN	CN	201910661715.4		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-18 EP	EP	EP18184937		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-18 IL	IL	IL268230		Method and device for optical distance measurement
IBEO 18-19	US	US16548156	11506761	METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-19 CA	CA	CA3052003		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-19 CN	CN	201910785782.7		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-19 DE	DE	EP18190429	DE502018009962.1 EP3614175	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-19 EP	EP	EP18190429	EP3614175	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-19 GB	GB	EP18190429	EP3614175	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-19 IL	IL	IL268695		Method and device for optical distance measurement
IBEO 18-19 SE	SE	EP18190429	EP3614175	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-19 IT	IT	EP18190429	EP3614175	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20	US	US16546783	11448758	Method and device for optical distance measurement
IBEO 18-20 CA	CA	CA3051903		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 18-20 CN	CN	201910768116.2	110441783	Method and apparatus for optical ranging
IBEO 18-20 DE	DE	EP18190430	DE502018007150.6 EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20 EP	EP	EP18190430	EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20 GB	GB	EP18190430	EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20 FR	FR	EP18190430	EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20 IL	IL	IL268837		Method and device for optical distance measurement

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-20 IT	IT	EP18190430	EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-20 SE	SE	EP18190430	EP3614172	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 18-21	US	US17181096		METHOD AND DEVICE FOR CLASSIFYING OBJECTS
IBEO 18-21 CA	CA	CA3110387		METHOD AND DEVICE FOR CLASSIFYING OBJECTS
IBEO 18-21 CN	CN	201980056249.9		Method and device for classifying objects
IBEO 18-21 EP	EP	EP19765470		METHOD AND DEVICE FOR CLASSIFYING OBJECTS
IBEO 18-21 IL	IL	IL281302		Method and device for classifying objects
IBEO 18-21 JP	JP	JP2021512490	7164708	Methods and devices for classifying objects
IBEO 18-21 KR	KR	KR1020217006494		Object classification method and device
IBEO 18-22 DE	DE	DE102018216705		LIDAR measuring system and method for a LIDAR measuring system
IBEO 18-23 DE	DE	DE102018216707		Environment detection system and method for an environment detection system
IBEO 18-24 DE	DE	DE102018216699		Locking device and LIDAR measuring system with locking device
IBEO 18-25 DE	DE	DE102018216700	DE102018216700.1	Swivel device and lidar measurement system with swivel device
IBEO 18-26 DE	DE	DE102018216704		Environment detection system, vehicle and method for an environment detection system
IBEO 18-27	US	US16585657	10989804	Method and apparatus for optical distance measurements
IBEO 18-27 CA	CA	CA3056979		METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-27 CN	CN	201910941468.3		Method and device for optical distance measurement
IBEO 18-27 DE	DE	EP18198096	DE602018040261.6 EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-27 EP	EP	EP18198096	EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-27 GB	GB	EP18198096	EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-27 FR	FR	EP18198096	EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-27 IT	IT	EP18198096	EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-27 IL	IL	IL269745		Method and apparatus for optical distance measurements
IBEO 18-27 SE	SE	EP18198096	EP3633404	METHOD AND APPARATUS FOR OPTICAL DISTANCE MEASUREMENTS
IBEO 18-28 DE	DE	DE102018217419		Rotatable element, system with a rotatable element and a power source, and method for variably coupling a hub to a shaft
IBEO 18-29	US	US17298449		ANALOGUE-TO-DIGITAL CONVERTER
IBEO 18-29 CA	CA	CA3122867		ANALOGUE-TO-DIGITAL CONVERTER
IBEO 18-29 CN	CN	201980077741.0		ANALOGUE-TO-DIGITAL CONVERTER
IBEO 18-29 DE1	DE	DE102018220688		Analog-to-digital converter
IBEO 18-29 EP	EP	EP19812963		ANALOGUE-TO-DIGITAL CONVERTER
IBEO 18-29 IL	IL	IL283479		Analogue-to-digital converter
IBEO 18-29 JP	JP	JP2021529806		Analog-to-digital converters
IBEO 18-29 KR	KR	KR1020217017762		Analog-to-digital converter
IBEO 18-30	US	US17343877		DE-ICING SYSTEM FOR A SENSOR
IBEO 18-30 CA	CA	CA3120945		DE-ICING SYSTEM FOR A SENSOR
IBEO 18-30 CN	CN	201980079148.X		DEICING SYSTEM FOR A SENSOR
IBEO 18-30 DE1	DE	DE102018221277		Deicing system for one sensor
IBEO 18-30 EP	EP	EP19820690		DEICING SYSTEM FOR A SENSOR
IBEO 18-30 IL	IL	IL283847		Deicing system for a sensor

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 18-30 JP	JP	JP2021532860		De-icing system for sensors
IBEO 18-30 KR	KR	KR1020217018456		De-icing system for sensors
IBEO 18-31 DE	DE	DE102018221279		De-icing device for a sensor
IBEO 18-32	US	US17415533		DEVICE FOR OPERATING A LIGHT SOURCE FOR THE OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 18-32 CA	CA	CA3133611		DEVICE FOR OPERATING A LIGHT SOURCE FOR THE PURPOSE OF OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 18-32 CN	CN	201980081541.2		Device for operating light source for optical flight time measurement
IBEO 18-32 DE1	DE	DE102018222049		Device for operating a light source for optical transit time measurement
IBEO 18-32 EP	EP	EP19828658		DEVICE FOR OPERATING A LIGHT SOURCE FOR THE PURPOSE OF OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 18-32 IL	IL	IL284058		Device for operating a light source for the purpose of optical time-of-flight measurement
IBEO 18-32 JP	JP	JP2021535211		a device that operates a light source for measuring light flight time
IBEO 18-32 KR	KR	KR1020217020167		Light source operating device for optical TOF measurement
IBEO 19-01	US	US16744430		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 19-01 CA	CA	CA3067943		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 19-01 CN	CN	202010046815.9		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 19-01 DE	DE	EP19152055	DE502019004687.3 EP3683599	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-01 EP	EP	EP19152055	EP3683599	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-01 GB	GB	EP19152055	EP3683599	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-01 IT	IT	EP19152055	EP3683599	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-02 DE	DE	DE102019201032		Cooling device for an object detection sensor

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 19-03	US	US17426006		COOLING DEVICE FOR AN OBJECT DETECTION SENSOR
IBEO 19-03 CN	CN	202080010842.9		Cooling device for object detection sensor
IBEO 19-03 DE1	DE	DE102019201031		Cooling device for an object detection sensor
IBEO 19-03 EP	EP	EP20702280		COOLING DEVICE FOR AN OBJECT DETECTION SENSOR
IBEO 19-03 JP	JP	JP2021543357		Cooling devices for object detection sensors
IBEO 19-03 KR	KR	KR1020217024211		Cooling device for object detection sensor
IBEO 19-04	US	US16815331		Method and device for optical distance measurement
IBEO 19-04 CA	CA	CA3074628		METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT
IBEO 19-04 CN	CN	202010223283.1		Method and device for optical distance measurement
IBEO 19-04 EP	EP	EP19165546		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-04 IL	IL	IL273036		Method and device for optical distance measurement
IBEO 19-05 DE	DE	DE102019206585		Lidar system and housing for a lidar system
IBEO 19-06	US	US17567025		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-06 CA	CA	CA3142395		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-06 CN	CN	202080048769.4		Adjusting device and laser radar measuring device
IBEO 19-06 DE1	DE	DE102019209694		Adaptation device and lidar measuring device
IBEO 19-06 EP	EP	EP20734355		ADAPTATION DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-06 IL	IL	IL289493		Adjustment device and lidar measuring device
IBEO 19-06 JP	JP	JP2021576626		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-06 KR	KR	KR1020227002215		Adjustment device and lidar measuring device

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 19-07	US	US17621911		READING DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-07 CA	CA	CA3140175		READING DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-07 CN	CN	202080045012.X		Reading device and laser radar measuring device
IBEO 19-07 DE1	DE	DE102019209698		Readout device and lidar measuring device
IBEO 19-07 EP	EP	EP20735152		READING DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-07 IL	IL	IL289490		Reading device and lidar measuring device
IBEO 19-07 JP	JP	JP2021576624		READING DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-07 KR	KR	KR1020217043425		Reading device and lidar measuring device
IBEO 19-08	US	US17567027		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-08 CA	CA	CA3142394		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-08 CN	CN	202080048760.3		Adjusting device and laser radar measuring device
IBEO 19-08 DE1	DE	DE102019209691		Adaptation device and lidar measuring device
IBEO 19-08 EP	EP	EP20734352		ADAPTATION DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-08 IL	IL	IL289492		Adjustment device and lidar measuring device
IBEO 19-08 JP	JP	JP2021576717		ADJUSTMENT DEVICE AND LIDAR MEASURING DEVICE
IBEO 19-08 KR	KR	KR1020227000236		Adjustment device and lidar measuring device
IBEO 19-09	US	US17621939		LIDAR RECEIVING UNIT
IBEO 19-09 CA	CA	CA3140197		LIDAR RECEIVING UNIT
IBEO 19-09 CN	CN	202080045028.0		Laser radar receiving unit
IBEO 19-09 DE1	DE	DE102019209697		Lidar receiving unit

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 19-09 EP	EP	EP20734163		LIDAR RECEIVING UNIT
IBEO 19-09 IL	IL	IL289491		Lidar receiving unit
IBEO 19-09 JP	JP	JP2021576713		LIDAR RECEIVING UNIT
IBEO 19-09 KR	KR	KR1020217043426		Lidar Receiving Unit
IBEO 19-10 DE	DE	DE102019210602		Extraneous light test setup, extraneous light test bench and test laboratory
IBEO 19-11	US	US17665515		LIDAR MEASURING SYSTEM WITH TWO LIDAR MEASURING DEVICES
IBEO 19-11 CA	CA	CA3142265		LIDAR MEASURING SYSTEM HAVING TWO LIDAR MEASURING DEVICES
IBEO 19-11 CN	CN	202080048771.1		Lidar measurement system with two lidar measurement devices
IBEO 19-11 DE1	DE	DE102019211739		Lidar measuring system with two lidar measuring devices
IBEO 19-11 EP	EP	EP20734357		LIDAR MEASURING SYSTEM HAVING TWO LIDAR MEASURING DEVICES
IBEO 19-11 IL	IL	IL290317		Lidar measuring system with two lidar measuring devices
IBEO 19-11 JP	JP	JP2022503884		LIDAR MEASURING SYSTEM HAVING TWO LIDAR MEASURING DEVICES
IBEO 19-11 KR	KR	KR1020227003676		A lidar measurement system comprising two lidar measurement devices
IBEO 19-11 PCT	WO	PCT/EP2020/067233		LIDAR MEASURING SYSTEM HAVING TWO LIDAR MEASURING DEVICES
IBEO 19-12	US	US17010764		METHOD AND DEVICE FOR DISTANCE MEASUREMENT
IBEO 19-12 CA	CA	CA3091369		METHOD AND DEVICE FOR DISTANCE MEASUREMENT
IBEO 19-12 CN	CN	202010920211.2		METHOD AND DEVICE FOR DISTANCE MEASUREMENT
IBEO 19-12 EP	EP	EP19195290		METHOD AND DEVICE FOR DISTANCE-MEASURING
IBEO 19-12 IL	IL	IL277134		Method and device for distance measurement
IBEO 19-12 JP	JP	JP2020148160	7105840	The method and device for distance measurement

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FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 19-12 KR	KR	KR1020200112300	102434786	Method and Device for Distance Measurement
IBEO 19-13 DE	DE	DE102019214549		Swivel device and sensor system with swivel device
IBEO 19-14	US	US17081223		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-14 CA	CA	CA3097277		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-14 CN	CN	202011174837.X		Method and apparatus for optically measuring distance
IBEO 19-14 EP	EP	EP20204308		METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCES
IBEO 19-14 IL	IL	IL278357		Method and device for optically measuring distances
IBEO 19-14 JP	JP	JP2020179966	7125968	METHOD AND DEVICE FOR OPTICALLY MEASURING DISTANCE
IBEO 19-14 KR	KR	KR1020200141140	102490795	Method and Device for Optically Measuring Distances
IBEO 19-15 CA	CA	CA3164272		DEVICE, METHOD, AND USE OF THE DEVICE FOR ADJUSTING, ASSEMBLING AND/OR TESTING AN ELECTRO-OPTICAL SYSTEM
IBEO 19-15 CN	CN	202080096094.0		Device for calibrating, installing and/or checking optical system, method and application of device
IBEO 19-15 EP	EP	EP20829808		DEVICE, METHOD, AND USE OF THE DEVICE FOR ADJUSTING, ASSEMBLING AND/OR TESTING AN ELECTRO-OPTICAL SYSTEM
IBEO 19-15 IL	IL	IL293743		Device, method, and use of the device for adjusting, assembling and/or testing an electro-optical system
IBEO 19-15 JP	JP	2022535646		DEVICE, METHOD, AND USE OF THE DEVICE FOR ADJUSTING, ASSEMBLING AND/OR TESTING AN ELECTRO-OPTICAL SYSTEM
IBEO 19-15 KR	KR	KR1020227023570		Devices, methods and uses of such devices for controlling, assembling and/or testing electro-optical systems
IBEO 19-15 PCT	WO	PCT/EP2020/085529		DEVICE, METHOD, AND USE OF THE DEVICE FOR ADJUSTING, ASSEMBLING AND/OR TESTING AN ELECTRO-OPTICAL SYSTEM
IBEO 19-16	US	17/783,915		DEVICE AND METHOD FOR GENERATING TEST DATA FOR TESTING A DISTANCE DETERMINATION IN AN OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 19-16 CA	CA	CA3162936		DEVICE AND METHOD FOR GENERATING TEST DATA FOR TESTING A DISTANCE DETERMINATION IN AN OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 19-16 CN	CN	202080085856.7		Apparatus and method for generating test data for test distance measurement during optical run time measurement
IBEO 19-16 DE1	DE	DE102019219330		Device for generating test data for testing a distance determination in an optical transit time measurement, measuring device for testing a distance determination in an optical transit time measurement and

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 19-16 EP	EP	EP20780992		DEVICE AND METHOD FOR GENERATING TEST DATA FOR TESTING A DISTANCE DETERMINATION IN AN OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 19-16 IL	IL	IL293697		Device and method for generating test data for testing a distance determination in an optical time-of-flight measurement
IBEO 19-16 KR	KR	KR1020227022975		A test data generation device for testing distance determination during optical runtime measurement, a measurement device for testing distance determination during optical runtime measurement, and a
IBEO 19-16 PCT	WO	PCT/EP2020/076839		DEVICE AND METHOD FOR GENERATING TEST DATA FOR TESTING A DISTANCE DETERMINATION IN AN OPTICAL TIME-OF-FLIGHT MEASUREMENT
IBEO 20-01 DE	DE	DE102020200225		Test procedure and test arrangement for functional validation for optical detection systems
IBEO 20-02 CA	CA	CA3167508		APPARATUS FOR GENERATING BACKSCATTER HISTOGRAM DATA FOR DETERMINING A DIFFUSE BACKSCATTER DURING AN OPTICAL RUNTIME MEASUREMENT AND A METHOD
IBEO 20-02 CN	CN	202180013908.4		Apparatus and method for generating backscatter histogram data for determining diffuse backscatter during optical run time measurements
IBEO 20-02 DE1	DE	DE102020201636		Device for generating backscatter histogram data for the determination of diffuse backscatter in an optical time of flight measurement and method
IBEO 20-02 EP	EP	EP21703000		DEVICE FOR GENERATING BACKSCATTERING HISTOGRAM DATA FOR DETERMINING A DIFFUSE BACKSCATTERING IN AN OPTICAL DELAY MEASUREMENT AND METHOD
IBEO 20-02 IL	IL	IL295468		Device for generating backscattering histogram data for determining a diffuse backscattering in an optical delay measurement and method
IBEO 20-02 JP	JP	2022547810		DEVICE FOR GENERATING BACKSCATTERING HISTOGRAM DATA FOR DETERMINING A DIFFUSE BACKSCATTERING IN AN OPTICAL DELAY MEASUREMENT AND METHOD
IBEO 20-02 KR	KR	KR1020227028056		Apparatus and method for generating backscatter histogram data for determining diffuse backscatter during optical runtime measurements
IBEO 20-02 PCT	WO	PCT/EP2021/052286		DEVICE FOR GENERATING BACKSCATTERING HISTOGRAM DATA FOR DETERMINING A DIFFUSE BACKSCATTERING IN AN OPTICAL DELAY MEASUREMENT AND METHOD
IBEO 20-03 CA	CA	CA3167506		METHOD FOR ANALYZING BACKSCATTER HISTOGRAM DATA IN AN OPTICAL PULSE RUNTIME METHOD AND DEVICE FOR DATA PROCESSING
IBEO 20-03 CN	CN	202180013839.7		Method for analyzing backscatter histogram data in an optical pulse run time method and apparatus for data processing
IBEO 20-03 DE1	DE	DE102020201637		Method for analyzing backscatter histogram data in an optical pulse transit time method and device for data processing
IBEO 20-03 EP	EP	2021702999		METHOD FOR ANALYSING BACKSCATTERING HISTOGRAM DATA IN AN OPTICAL PULSE DELAY METHOD AND DATA PROCESSING DEVICE
IBEO 20-03 IL	IL	IL295469		Method for analysing backscattering histogram data in an optical pulse delay method and data processing device
IBEO 20-03 JP	JP	2022548387		METHOD FOR ANALYSING BACKSCATTERING HISTOGRAM DATA IN AN OPTICAL PULSE DELAY METHOD AND DATA PROCESSING DEVICE
IBEO 20-03 KR	KR	KR1020227027282		Method and data processing apparatus for analyzing backscatter histogram data in optical pulse runtime method

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 20-03 PCT	WO	PCT/EP2021/052285		METHOD FOR ANALYSING BACKSCATTERING HISTOGRAM DATA IN AN OPTICAL PULSE DELAY METHOD AND DATA PROCESSING DEVICE
IBEO 20-04 CA	CA	CA3169989		METHOD AND DEVICE FOR GENERATING COMBINED SCENARIOS
IBEO 20-04 CN	CN	202180015289.2		METHOD AND DEVICE FOR GENERATING COMBINED SCENARIOS
IBEO 20-04 EP	EP	21703723.3		Methods and devices for creating combined scenarios
IBEO 20-04 IL	IL	IL295643		Method and device for generating combined scenarios
IBEO 20-04 KR	KR	KR1020227031744		Methods and devices for creating combined scenarios
IBEO 20-04 PCT	WO	PCT/EP2021/053294		METHOD AND DEVICE FOR GENERATING COMBINED SCENARIOS
IBEO 20-05 DE	DE	DE102020207527		Environment recognition by evaluating SPAD histograms using an artificial neural network
IBEO 20-06 DE	DE	DE102020203596		Swivel device and sensor system
IBEO 20-07 EP	EP	EP20193251		METHOD AND DEVICE FOR CLASSIFYING TARGETS
IBEO 20-07 PCT	WO	PCT/EP2021/070009		METHOD AND DEVICE FOR CLASSIFYING TARGETS
IBEO 20-08 EP	EP	EP20201774		METHOD AND DEVICE FOR CLASSIFYING SENSOR DATA
IBEO 20-08 PCT	WO	PCT/EP2021/074800		METHOD AND DEVICE FOR CLASSIFYING SENSOR DATA
IBEO 20-09 EP	EP	EP20212975		METHOD AND DEVICE FOR OPERATING A WIND TURBINE
IBEO 20-09 PCT	WO	PCT/EP2021/080542		METHOD AND DEVICE FOR OPERATING A WIND TURBINE
IBEO 20-10 EP	EP	EP20212977		METHOD AND DEVICE FOR AVOIDING COLLISIONS BETWEEN AT LEAST ONE FLYING BIRD AND A WIND TURBINE
IBEO 20-11 DE	DE	DE102020216314		Pre-assembly for lidar measuring device
IBEO 21-01 DE	DE	DE102021201470		Barrel for attaching a swiveling lidar sensor head of a lidar measuring device
IBEO 21-02 DE	DE	DE102021202317	DE102021202317.7	Method, vehicle and sensor device comprising a plain bearing assembly for dissipating heat from a heat source
IBEO 21-03 DE	DE	DE102021204429		Sensor module

Exhibit A

FILE NUMBER	COUNTRY	APPLICATION NUMBER	PATENT NUMBER	TITLE
IBEO 21-04 EP	EP	EP21176827		Metal lenses for sensor applications
IBEO 21-04 PCT	WO	PCT/EP2022/056110		Metal lenses for sensor applications
IBEO 21-05 DE	DE	102021212095.4		Sensor arrangement for a vehicle
IBEO 21-06 DE	DE	DE202021106280	DE202021106280.0	Solid State LIDAR Sensor for a Vehicle
IBEO 21-07 EP	EP	EP21217234		Device and method for distance measurement ("Dynamic SPAD activation"
IBEO 22-01 EP	EP	EP22196045		Method for controlling an elevator, device for controlling an elevator and elevator

Exhibit B

RGTH ref	Type of property right	country	Status	Trademark / key word	Filing date	Filing number	Registration date	Registration number
I13284EM07741MK	Trademark	EU	Registered	Ibeo automotive (word-/figurative mark)	22.08.2013	012082971	16.12.2015	012082971
I13284GB07741MK	Trademark	GB	Registered	Ibeo automotive (word-/figurative mark)	22.08.2013	UK00912082971	16.12.2015	UK00912082971
I13284WO07741MK	IR-Trademark	WO	Registered	Ibeo automotive (word-/figurative mark)	21.02.2014	1204287	21.02.2014	1204287
I13284WOCN07741MK	National part of IR-trademark	CN	Registered	Ibeo automotive (word-/figurative mark)	21.02.2014	1204287	21.02.2014	1204287
I13284WOJP07741MK	National part of IR-trademark	JP	Registered	Ibeo automotive (word-/figurative mark)	21.02.2014	1204287	21.02.2014	1204287
I13284WOKR07741MK	National part of IR-trademark	KR	Registered	Ibeo automotive (word-/figurative mark)	21.02.2014	1204287	21.02.2014	1204287
I13284WOUS07741MK	National part of IR-trademark	US	Registered	Ibeo automotive (word-/figurative mark)	21.02.2014	79/147,410	03.11.2015	4,843,280
I20196EM07741MK	Trademark	EU	Registered	Ibeo Automotive	11.03.2020	018209989	09.07.2020	018209989
I20196GB07741MK	Trademark	GB	Registered	Ibeo Automotive	11.03.2020	UK00918209989	09.07.2020	UK00918209989
I20196WO07741MK	IR-Trademark	WO	Registered	Ibeo Automotive	12.08.2020	1557084	12.08.2020	1557084
I20196WOCN07741MK	National part of IR-trademark	CN	Registered	Ibeo Automotive	12.08.2020	1557084	22.02.2021	1557084
I20196WOJP07741MK	National part of IR-trademark	JP	Pending (registration fee needs to be paid until 10 February 2023)	Ibeo Automotive	12.08.2020	1557084		
I20196WOKR07741MK	National part of IR-trademark	KR	Registered	Ibeo Automotive	12.08.2020	1557084	14.07.2022	1557084
I20196WOUS07741MK	National part of IR-trademark	US	Registered	Ibeo Automotive	12.08.2020	79296601	28.09.2021	6,495,633

Roll of Deeds No. 319/2023 S
PET 2023:00008/2301177(BAL)

I, the Notary Hayo Schapp, notary public in and for Hamburg/Germany, having my office in Rahlstedter Bahnhofstraße 17, 22143 Hamburg/Germany, duly admitted and sworn, hereby certify, that the above is the true signature, subscribed in my presence, of

Mr Dr. Ulrich Stefan Lages
born on 18 April 1968
Address: Merkurring 60-62, 22143 Hamburg
- identified by providing an identity card -

acting in his capacity as liquidator, with sole power of representation, for

the company in style
Ibeo Automotive Systems GmbH (company in insolvency)
with its seat in Hamburg
(registered in the commercial register of the local court (Amtsgericht) of Hamburg, HRB 111950)
Address: Merkurring 60-62, 22143 Hamburg.

I, the Notary, herewith certify the aforementioned power of representation of Mr Dr. Ulrich Lages on the basis of todays inspection of the aforementioned electronic Commercial Register pursuant to Section 21 para. 1 no. 1 of the German Regulation regarding Notaries (*BNotO*).

Hamburg, 16 February 2023

Hayo Schapp, Notary Public

Directory of Documents No. 529/2023
/nh - act 23/01 - MicroVision GmbH -

I, Dr. Jens Brambring, notary public in and for the city of Hamburg, with my registered office Langenstücken 36, 22393 Hamburg, hereby certify, that the above is the true signature subscribed in my presence of

Mr. Sumit **S h a r m a ,**
born on July 10, 1973 in India,
address: 11818 97th Ln NE C430, Kirkland, WA 98034
identified by Passport of the United States of America,

acting on behalf of

MicroVision GmbH,
registered adress: Nordostpark 16, 90411 Nürnberg.

I further certify upon inspection of the Commercial Register on this day that the company

MicroVision GmbH

is registered in Section B of the Commercial Register of the Local Court of Nürnberg under No. HRB 40266 and that the managing director, Mr. Sumit Sharma, is authorized to represent the company acting with sole power.

Hamburg, March 2, 2023

Dr. Jens Brambring
notary public