#### 506989173 11/22/2021

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PLUSAI LIMITED	07/19/2021

#### **RECEIVING PARTY DATA**

Name:	PLUSAI, INC.
Street Address: 20401 STEVENS CREEK BOULEVARD	
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014-2225

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	17391781	

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	PLSA-020/01US 344682-2007
NAME OF SUBMITTER: CHRISTOPHER R. HUTTER	
SIGNATURE:	/Christopher R. Hutter/
DATE SIGNED:	11/22/2021

#### **Total Attachments: 22**

source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAl, Inc.)#page1.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAl, Inc.)#page2.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAl, Inc.)#page3.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAl, Inc.)#page4.tif

source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page5.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page6.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page7.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page8.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page9.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page10.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page11.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page12.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page13.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page14.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page15.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page16.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page17.tif source=PLSA-020 00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page18.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page19.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page20.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page21.tif source=PLSA-020\_00US EXECUTED Company to Company Assignment (to PlusAI, Inc.)#page22.tif

# ASSIGNMENT OF PATENT RIGHTS (Company to Company)

PlusAl Limited, a Hong Kong Limited Liability Company having its principal place of business at 15/F., BOC Group Life Insurance Tower, 136 Des Voeux Road Central, Central, Hong Kong (herein referred to as "Assignor") owns the entire right, title and interest in any Letters Patent(s) ("said patent(s)") and any Patent application(s) ("said application(s)") set forth in Schedule A, as well as any invention(s) ("said invention(s)") disclosed in said application(s) and said patent(s).

WHEREAS, PlusAI, Inc., a corporation having its principal place of business at 20401 Stevens Creek Boulevard, Cupertino, CA 95014-2225, its successors, legal representatives and assigns (the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said invention(s), said application(s), and said patent(s), the right to file applications on said invention(s), the entire right, title and interest in and to any application(s), the right to recover any and all past, present, and future damages, including provisional or other royalties, for any and all past, present, and future infringements of said application(s) and said patent(s), and the entire right, title, and interest in and to any and all Letters Patent or Patents, United States or foreign, to be obtained for said invention(s) and said application(s);

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to said invention(s), and application(s), and said patent(s), the right to file applications on said invention(s), the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application(s), including divisions, continuations, and continuations-in-part of said application(s), the right to recover any and all past, present, and future damages, including provisional or other royalties, for any and all past, present, and future infringements of said application(s) and said patent(s), the entire right, title and interest in and to any and all Letters Patent or Patents. United States or foreign, to be obtained for said invention(s) and said application(s), the entire right, title and interest in and to any and all reissues and extensions of said patent(s), and all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title and interest in and to said invention(s), said application(s), and said

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patent(s), and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth:

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s), said application(s), said application(s), any application claiming priority to said application(s), any reissue or extension of said patent(s), and any United States or foreign Letters Patent or Patents for said invention(s) or said application(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, Inter partes reviews, supplemental examinations, etc.), is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all aforementioned patent(s) of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Assignor(s) and Assignee(s) understand that electronic signatures are acceptable and that, by signing electronically, signatories agree to the use of electronic signatures.

Date: 7/19/2021	By: /
	Name: David Wanqian Liu
	Title: Director
	Company: PlusAl Limited
Witness:	
C Sent Com	7/19/2021
Signature	Date '
Charles Yu	**************************************
Printed name	
Witness:	
	7/19/2021
Signature	Date
winothy P. Dally J.	
Printed name	

For and on be	half of ASSIGNEE:		
Date:	7/19/2021	Ву:	Alexander of the second
			Name: ##© 2/##\$ Title: C70 Company: PlusAl, Inc.
Witness:	× 8		
Signature	2		7/19/2821 Date
Line	Thy P. Dala :	T.	S. C.
Printed name			
Witness:			
Signature		<	7/13/202/ Date
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Fig. 1			

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## U.S. Patents and Applications

***********	dication No	Application Date	Title	Country	Registration No.	Registration Date
	/ <b>83633</b> Z	13283017	METHOD AND SYSTEM FOR INTEGRATED GLOBAL AND DISTRIBUTED LEARNING IN AUTONOMOUS DRIVING VEHICLES	United States of America		
	/615284	6/6/3017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	United States of America	11,042,155	6/22/2021
	/343904	6/10/2021	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	United States of America		
***	7615198	: <u>6</u> /6/2017	METHOD AND SYSTEM FOR DISTRIBUTED LEARNING AND ADAPTATION IN AUTONOMOUS DRIVING VEHICLES	United States of America		
1.5	/8) S328	8/6/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO IN AUTONOMOUS DRIVING VIEHCLES	United States of America		
3	856491	12/28/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING VEHICLES	United Sistes of America		
3.57	\$\$\$215	12/28/2017	METHOD AND SYSTEM FOR ON-THE-FLY OBJECT LABELING VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING VEHICLES	United Sistes of Americs		
138	886600	12/28/2017	METHOD AND SYSTEM FOR ON-THIS-FLY OBJECT LABELING VIA CROSS TEMPORAL VALIDATION IN AUTONOMOUS DRIVING VEHICLES	United States of America		

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Application No.	Application Date	Title	Country	Registration No.	Registration Date
15/857(33)	13/28/2017	METHOD AND SYSTEM FOR ADAPTIVE MOTION PLANNING BASED ON PASSENGER REACTION TO VEHICLE MOTION IN AUTONOMOUS DRIVING VEHICLES	United States of Americs		
19/845423	12/18/2017	METHOD AND SYSTEM FOR ENSEMBLE VEHICLE CONTROL FREDICTION IN AUTONOMOUS DRIVING VEHICLES	United States of America		
15/845294	(2/18/26)7	METHOD AND SYSTEM FOR HUMAN-LIKE DRIVING LANE PLANNING IN AUTONOMOUS DRIVING VEHICLES	United States of America		
15/856163	12/28/2017	METHOD AND SYSTEM FOR HUMAN-LIKE VEHICLE CONTROL PREDICTION IN AUTONOMOUS DRIVING VEHICLES	United States of America	(0,994,74)	\$9202
17/240438	#26/3021	METHOD AND SYSTEM FOR BUMAN-LIKE VEHICLE CONTROL PREDICTION IN AUTONOMOUS DRIVING VEHICLES	United States of America		
18/858728	12/28/2017	METHOD AND SYSTEM FOR FEBSONALIZED DRIVING LANE FLANNING IN AUTONOMOL'S DBIVING VEHICLES	Linited States of Associati		
15/845337	12/18/2017	METHOD AND SYSTEM FOR PERSONALIZING MOTION PLANNING IN AUTONOMOUS DRIVING VEHICLES	Linked States of America		

## <u>Schedule A</u>

U.S. Patents and Applications					
Application No.	Application Date	litle	Country	Registration No.	Registration Date
19836113	12/28/2017	METHOD AND SYSTEM FOR PERSONALIZED SELF CAPABILITY AWARE ROUTE PLANNING IN AUTONOMOUS DRIVING VEHICLES	United States of Ametics		
13/845173	12/18/2017	METHOD AND SYSTEM FOR SELF-CAPACITY AWARE ROUTE PLANNING IN AUTOMOMOUS DRIVING VEHICLES	United States of America		
15/846908	(2/19/20)7	METHOD AND SYSTEM FOR ADAPTING ALCMENTED SWITCHING WARNING	Umnes States of America	10,406,978	9/10/2019
16/5/3783	7/17/2819	METHOD AND SYSTEM FOR ADAPTING ALGMENTED SWITCHING WARNING	United States of America		
15/872285	1/16/2018	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	United States of America	80.842.332	10/15/2019
16/361066	9/3/2019	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBBID DRIVING	United States of America	]1.62],16]	8/1/20021
17/329269	3/23/2002 ( ·	METHOD AND SYSTEM FOR ACCIMENTED ALEKTING BASED ON DRIVERS STATE IN HYBRID DRIVING	United States of America		
17/329308	5/25/2021	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	United States of America		
17,925387	5/25/2021	METROD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	United States of America		

U.S. Patents and Applications					
Application No.	Application Date	Title	Country	Registration No.	Registration Date
17/329619	\$/2\$/2021	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	United States of Americs		
15/872215	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBRID DRIVING	United States of America	10,723,358	7/28/30(0)
) (0.636436	7/27/2020	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBBID DRIVING	United States of America		
137873245	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	United States of America	30,599,144	3/28/2020
36/799067	- 3/24/2020	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	United States of America		
15/846817	12/19/2017	METHOD AND SYSTEM FOR RISK BASED DRIVING MODE SWITCHING IN HYBRID OBIVING	United States of America	10,730,590	7/14/2020
(889)331)	\$/26/2020	METHOD AND SYSTEM FOR RISE BASED DRIVING MODE SWITCHING IN HYBRID DRIVING	United States of America		
\$5/ <b>84</b> 685\$	(2/19/20)/7	SETHOD AND SYSTEM FOR RISK CONTROL IN SWITCHING DRIVING MODE	United : States of America	10,620,637	4/14/2020
62/812195	(2/29/26)7	METHOD AND SYSTEM FOR STEREO BASED VEHICLE POSE ESTIMATION	Linited States of America	8/A :	34/A

U.S. Patents and Applications

U.S. Patents and Applications					
Application No.	Application Date	Title	Country	Registration No.	Registration Date
:6/725317	12/18/2018	METHOD AND SYSTEM FOR STEREO BASED VERICLE POSE ESTIMATION	United States of America	10,936,886	3/2/201
63/613196	13/29/2017	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISION WARNING/A VOIDANCE UTILIZING THE SAME	Onited States of America	<b>89/8</b> 2 3	**************************************
10/232914	12/26/2018	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISION WARNING/AVOIDANCE LITILIZING THE SAME	United Sistes of Americs	15,557,664	3/23/2023
37/378,727	2/18/2021	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISION WARNING AVOIDANCE UTILIZING THE SAME	United States of America		
16/713499	12/16/2019	SYSTEM AND METHOD FOR A SENSOR PROTECTION ASSEMBLY	United States of Americs		
16/715232	12/16/2019	BYSTEM AND METHOD FOR ANTI-TAMPERING SENSOR ASSEMBLY	United States of America		
36/7)3268	(2/16/2019	SYSTEM AND METHOD FOR ANTI-TAMPERING MECHANISM	United States of America		
16/7)5375	12/16/2019	SYSTEM AND METHOD FOR A SENSOR PROTECTION SYSTEM	United Suspes of Amorics		
16/715624	- 12/16/2019	SYSTEM AND METHOD FOR A SENSOR PROTECTION MECHANISM	United States of America		
18/715657	12/16/2019	SYSTEM AND METHOD FOR SENSOR SYSTEM AGAINST GLARE AND CONTROL THEREOF	United States of America		

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U.S. Patents and Applications								
Application No.	Application Date	l'ille	Country	Registration No.	Registration Date			
16/715306	12/16/2019	SYSTEM AND METHOD OF DETECTING SENSOR ADJUSTMENT NEED	Unised Sisses of America					
)6/847847	4/14/2020	DITECRATED FIBUCIAL MARKER FOR SIMULTANEOUSLY CALIBRATING SENSORS OF DIFFERENT TYPES	Canted States of America					
16/847972	4/14/2020	SYSTEM AND METHOD FOR SIMULTANEOUSLY MULTIPLE SERSOR CALBRATION AND TRANSFORMATION MATRIX COMPUTATION	United States of America					
(6/8/807)	4/14/2020	SYSTEM AND METHOD FOR GPS BASED AUTOMATIC BYTTATION OF SENSOR CALIBRATION	United States of America					
16/706990	1239/2019	SYSTEM AND METHOD FOR COLLABORATIVE SENSOR CALIBBATION	United States of America					
16/707731	12/9/2019	COORDINATING LANDMARK BASED COLLABORATIVE CALIBRATION	United States of America					
16/797461	12/9/2019	SYSTEM AND METHOD FOR TRAILER POSE ESTIMATION	United States of America					
16/707229	12/9/2019	SYSTEM AND METHOD FOR COLLABORATIVE CALISBATION VIA LANDMARK	United Sistes of America					
16/707028	(2/9/20)4	COORDINATING COLLABORATIVE SENSOR CALIBRATION	United States of America					
16/707139	12/9/2019	ASSISTING COLLABORATIVE SENSOR CALIBRATION	United States of America					
62848787	12/16/2019	MODULAR RACK ASSEMBLY FOR AUTONOMOUS VEHICLES	United States of America					
16/723763	(2/20/2019	MODULAR BACK ASSEMBLY FOR AUTONOMOUS VEHICLES	United States of America					

## Non-U.S. Patents and Applications

Application No.	Application Date	Title	Country	Registration	Registration Date
3083411	12/19/2017	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	Canada		
3683678	1/16/2018	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN BYBRID DRIVING	Canada		
3083758	1/16/28) <b>%</b>	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	Causido		
20(78089)72(-X	(22820)7	METHOD AND SYSTEM FOR INTEGRATED CLOBAL AND DISTRIBUTED LEARNING IN AUTONOMOUS DRIVING YEBICLES	China		
201780001720.5	9/29/2017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	China		
20178891722 A	9/29/2017	METHOD AND SYSTEM FOR DISTRIBUTED LEARNING AND ADAPTATION IN AUTONOMOUS DRIVING VEHICLES	China		
201780001723.9	9/29/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO IN ACTONOMOUS DRIVING VEHICLES	China		
201788091718.8	13/38/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STERBO VIA CROSS MODALITY VALIDATION IN AUTONOMOLIB DRIVING VEHICLES	Chins		

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Application	Application Title		Country	Registration	8
No.	Date	1100	v.cam,	No.	Registration Date
. 281786691767.X	12/28/3017	METHOD AND SYSTEM FOR ON-THE-PLY OBJECT LABELING VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING	China.		L-74IA
301780091719.2	12/28/2017	METHOD AND SYSTEM FOR ON-THE-FLY OBJECT LABELING VIA CROSS TEMPORAL VALUATION IN AUTONOMOUS DRIVING VEHICLES	China		
2017800074867	12/28/2017	METHOD AND SYSTEM FOR ADAPTIVE MOTION PLANNING BASED ON PASSENGER REACTION TO VEHICLE MOTION IN AUTONOMOUS DRIVING VEHICLES	Chiina		
20) 780097497.5	12/19/2017	METHOD AND SYSTEM FOR ENSEMBLE VEHICLE CONTROL FREDICTION IN AUTOMOMOUS DRIVING VEHICLES	Chins		
201780097495.6	12/18/2037	METHOD AND SYSTEM FOR HOMAN-LIKE DRIVING LANE FLANNING IN AUTONOMOUS DRIVING VEHICLES	Ćinns		
201780097481-4	12/28/2017	METHOD AND SYSTEM FOR HUMAN-LIKE VEHICLE CONTROL FREDICTION IN AUTONOMOUS DRIVING VEHICLES	China		
2017890974852	12/28/2017	METHOD AND SYSTEM FOR PERSONALIZED DRIVING LAME PLANNING IN AUTONOMOUS DRIVING VEHICLES	China		

Non-U.S. Patents and Applications

Non-U.S. Patents and Applications					
Application	Application	Title	Country	Registration	Registration
No.	Date			No.	Date
201780097496.0	12/18/2017	METHOD AND SYSTEM FOR PERSONALIZED MOTION PLANNING IN AUTONOMOUS DRIVING VEHICLES	China		
	12/28/2017	METHOD AND SYSTEM FOR PERSONALIZED SELF CAPABILITY AWARE ROUTE PLANNING IN AUTOWOMOUS DRIVING VEHICLES	China		
29,1780007474.4	12/18/2017	METHOD AND SYSTEM FOR SELF CAPACITY AWABE ROUTE PLANNING IN AUTONOMIES DRIVING VEHICLES	China		
201780097091.7	(2/19/30)7	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	China		
201880075283.2	1/16/201 <b>x</b>	METHOD AND SYSTEM FOR AUGMENTED ALEBTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	China		
201880075289,X	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBRID DRIVING	Chins		
201880075279.6	1/16/2618	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DBIVING	Chass		
301780097084.7	12/19/2017	METHOD AND SYSTEM FOR BISK BASED DRIVING MODE SWITCHING IN HYBRID DRIVING	China		
2017800978921	12/19/2017	METHOD AND SYSTEM FOR SUSK CONTROL IN SWITCHING DRIVING MODE	China		

253834070 91

Non-U.S. Patents and Applications

***************************************	(*()))	J.S. Patents and	<u>Applications</u>			
Application No.	Application Date	Title	Country	Registration No.	Registration Date	
201880090323.5	12/18/2018	METHOD AND SYSTEM FOR STEREO BASED VEHICLE POSE ESTIMATION	Chins			
20) \$80090517,0	12/26/2018	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEFTH ESTIMATION AND COLLISION WARNING/AVOIDANCE UTILIZING THE SAME	Chins	:		
3020) [48353] [2	13/16/2020	SYSTEM AND METHOD FOR A SENSOR PROTECTION SYSTEM	China			
202011448628.0	12/9/2019	SYSTEM AND METHOD FOR TRAILER POSE ESTIMATION	China			
17912614.9	9/29/2017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	flaropess Patent Office			
179126412	9/29/2017	METHOD AND SYSTEM FOR DISTRIBUTED LEARNING AND ADAPTATION IN AUTONOMOUS DRIVING VERCLES	European Patent Office			
£7912615.6	9/29/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO IN AUTONOMOUS DRIVING VEHICLES	European Patent Office			
17935151.5	12/38/3017	METHOD AND SYSTEM FOR ADAPTIVE MOTION FLANNING BASED ON FASSENGER BEACTION TO VEHICLE MOTION IN AUTONOMOUS DRIVING VEHICLES	Emopean Patent Office			
17935271 (	12/19/2017	METHOD AND SYSTEM FOR ENSEMBLE VEHICLE CONTROL PREDICTION IN AUTONOMOUS DRIVING VEHICLES	Estropesa Patesa Office			

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Non-U.S. Patents and Applications

Application	Application Title		Country	Registration	D
No.	Date		- wante	No	Registration Date
17933461.\$	12/18/26)7	METHOD AND SYSTEM FOR HUMAN-LIKE DRIVING LANE PLANNING IN AUTONOMOUS DRIVING VEHICLES	European Patent Office		
17933809.8	12/28/2017	METHOD AND SYSTEM FOR HUMAN-LIKE YEHICLE CONTROL FREDICTION IN AUTONOMOUS DRIVING VEHICLES	European Patent Office		
17833508.8	12/28/2017	METHOD AND SYSTEM FOR PERSONALZED DRIVING LANE PLANNING IN AUTONOMOUS DRIVING YEHICLES	Europeas Patent Office		
179354)1,3	12/18/2017	METHOD AND SYSTEM FOR PERSONALIZED MOTION PLANNING IN AUTONOMOUS DRIVING YEHICLES	Ewapean Pateni Olisce		
17933810.6	12/28/2017	METHOD AND SYSTEM FOR PERSONALIZED SELF CAPABILITY AWARE ROUTE PLANNING IN AUTONOMOUS DRIVING VEHICLES	European Paioni Office		
(7838322.)	12/18/2017	METHOD AND SYSTEM FOR SELF CAPACITY AWARE ROUTE PLANNING IN AUTONOMOUS DRIVING VEHICLES	European Potent Office		
17935807,2	(2/19/2017	METHOD AND SYSTEM FOR ADAPTING ALKIMENTED SWITCHING WARNING	European Patem Office		
18891148 1	V18/2018	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	European Patent Office		
19892466.6	B/16/2918	METROD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBRID DRIVING	European Patent Office		

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Application No.	Application Date	Title	Country	Registration	Registration Date
18891346.1	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	European Patent Office		
79352950	12/19/2017	METHOD AND SYSTEM FOR RISK BASED DRIVING MODE SWITCHING IN HYBRID DRIVING	European Pstem Office		
17933716.3	12/19/2017	METHOD AND SYSTEM FOR RISK CONTROL IN SWITCHING DRIVING MODE	European Patent Office		
3896328.4	12/28/2018	METHOD AND SYSTEM FOR STEREO BASED VEHICLE POSE ESTIMATION	European Patent Office		
18890/800, 7	12/26/2018	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISION WARRING/AVOIDANCE UTILIZING THE SAME	Gurspean Paint Office		
20214090.2	(2/15/2020	SYSTEM AND METHOD FOR A SENSOR PROTECTION SYSTEM	European Patent Office		
20211424.5	12/9/2019	System and method for trailer pose estimation	European Patens Office		
82020013399.4	12/21/2017	METHOD AND SYSTEM FOR INTEGRATED GLOBAL AND DISTRIBUTED LEARNING IN AUTONOMOUS DRIVING YERICLES	Hong Kong		
62020012776.7	9/29/2017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	ling Kong		
62020016467,6	9/29/2017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	Bong Kong		

Non-U.S. Patents and Applications

	Non-U.S. ratents and Applications							
Application No.	Application Date	Title	Country	Registration No.	Registration Date			
62020013490,1	9/29/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO IN AUTONOMOUS DRIVING VEHICLES	Heng Kong					
62020013166.7	12/28/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STERED VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING VEHICLES	Hung Kong					
62020013167.5	}2/28/2017	METHOD AND SYSTEM FOR ON-THE-FLY OBJECT LABBLING VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING	Hong Kong					
62020012771.5	12/28/2017	METHOD AND SYSTEM FOR ON-THE-FLY OBJECT LABELING VIA CROSS TEMPORAL VALIDATION IN AUTONOMOUS DRIVING VEHICLES	Hong Kong					
63020019817.9	11/1/2020	METHOD AND SYSTEM FOR ADAPTIVE MOTION PLANNING BASED ON PASSENGER REACTION TO VEHICLE MOTION IN AUTONOMOUS DRIVING VEHICLES	Hong Korig					
62020020980.2	)3/26/2020	METHOD AND SYSTEM FOR ERSEMBLE VEHICLE CONTROL PREDICTION IN AUTONOMIGUS DRIVING VEHICLES	Hong Kong					
67070077340,7	12/18/2020	METHOD AND SYSTEM FOR HUMAN-LIKE ORIVING LANE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Hong Kong					
62020019874	110,02020	METROD AND SYSTEM FOR HUMAN-LIKE VEHICLE CONTROL FREDICTION IN AUTONOMOUS DRIVING VEHICLES	Hong Kang					
62020020303.7	11/19/2020	METHOD AND SYSTEM FOR PERSONALIZED DRIVING LANE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Hong Kong					

253834070 v1

Non-U.S. Patents and Applications

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Application No.	Application Date	Title	Country	Registration	Registration Date
62020019789	11/10/2020	METHOD AND SYSTEM FOR PERSONALIZED MOTION PLANNING IN AUTONOMOUS DRIVING VEHICLES	Hong Kong		
62020019822.9	11/11/2020	METROD AND SYSTEM FOR PERSONALIZED SELF CAPABILITY AWARE ROUTE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Hong Kong		
62020019871	11/11/2026	METHOD AND SYSTEM FOR SELF CAPABILITY AWARE BOUTE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Hong Kong		
62021025870.8	2/182021	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	Heng Kong		
88021023138.2	1/4/3021	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	Hong Kong		
62021025884.9	2/18/2021	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBRID DRIVING	Hong Kong		
62020019373	11/5/2020	METHOD AND SYSTEM FOR ORIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	Hong Kong		
82020019875	11/5/2020	METHOD AND SYSTEM FOR RISK BASED DRIVING MODE SWITCHING IN HYBRID DRIVING	Hong Kong		:
62021023139.0	143621	METHOD AND SYSTEM FOR RISK CONTROL IN SWITCHING DRIVING MODE	Hong Kong		
63031035878.7	2/18/2021	METHÓD AND SYSTEM POR STEREO BASED YEHICLE POSE ESTIMATION	Bong Kang		

Non-U.S. Patents and Applications

	[N()]]~{	J.S. Patents and	Applications			
Application No.	Application Date	Title	Country	Registration	Registration Date	
62021025871.6	2/18/2021	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISION WARNING/A VOIDANCE UTILIZING THE SAME	Hong Kong			
620200)5167	9/29/2017	METHOD AND SYSTEM FOR DISTRIBUTED LEARNING AND ADAPTATION IN AUTONOMOUS DRIVING VEHICLES	Hong Kung			
2020-530570	12/19/2017	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	Japan			
2020-530355	1/16/2018	METFOD AND SYSTEM FOR ALGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBBID ORIVING	18080			
2020-530678	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON BELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	Japan			
PCT/182017/048486	12/28/2017	METHOD AND SYSTEM FOR INTEGRATED GLOBAL AND DISTRIBUTED LEARNING IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Treaty	N/A	N/&	
PCT/IB2017/058020	9/29/2017	METHOD AND SYSTEM FOR CLOSE LOOP PERCEPTION IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Toracy	N/A	- <b>N/A</b> .	
PC1/B2017/056024	9/29/2017	METHOD AND SYSTEM FOR DISTRIBUTED LEARNING AND ADAPTATION IN AUTONOMOUS DRIVING VERICLES	Patent Cooperation Treaty	\$6/A	N/A	
PCT/8B2017/056029	%79/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO IN AUTONOMOUS DRIVING VERICLES	Patent Cooperation Treaty	N/A	N/A.	

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Application	Application		Country	Keelsteller	Registration
No.	Date		•	No.	Date
PCT/IB2017/058487	12/28/2017	METHOD AND SYSTEM FOR OBJECT CENTRIC STEREO VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Trestly	N/A	ŠVA.
PCT/8820)7/058488	12/28/2017	METHOD AND SYSTEM FOR GN-THE-FLY OBJECT LABELING VIA CROSS MODALITY VALIDATION IN AUTONOMOUS DRIVING	Psion Cooperation Tresty	8/A	87.4
PC 17(829) 7/058494	12/28/2017	METHOD AND SYSTEM FOR ON-THE-FLY OBJECT LABELING VIA CROSS TEMPORAL VALIDATION IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Treaty	N/A	- 187A
PCT/IB2617/038490	12/28/2017	METHOD AND SYSTEM FOR ADAPTIVE MOTION PLANNING BASED ON PASSENGER REACTION TO VEHICLE MOTION IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Treaty	18/A	- N/A
PCT/1820) 708 <b>8087</b>	12/18/2017	METHOD AND SYSTEM FOR ENSEMBLE VEHICLE CONTROL PREDICTION IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Trinty	N/A	N/A
PCT/18/20) 7/058/084	12/18/2017	METHOD AND SYSTEM FOR HUMAN-LIKE DRIVING LANE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Trossy	N/A	N/A ·
PCT/18/2017/058491	12/28/2017 /	METHOD AND SYSTEM FOR HUMAN LIKE VEHICLE CONTROL PREDICTION IN AUTOMOMOUS DRIVING VEHICLES	Patent Cooperation Treaty	N/A.	N/A
PC1/032017/058489	12/28/3017	METROD AND SYSTEM FOR PERSONALIZED DRIVING LANE PLANNING IN AUTONOMOUS BRIVING VEHICLES	Patent Compension Treaty	N/A	878

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Application No.	Application Date	litte	Country	Registration No.	Registration Date
PCT/(B2017/058083	12/18/2017	METHOD AND SYSTEM FOR PERSONALIZED MOTION PLANNING IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Treaty	N/A	N/A
PCT/(800)(7/058483	12/28/2017	METHOD AND SYSTEM FOR PEBSONALIZED SELF CAPABILITY AWABE BOUTE PLANNING IN AUTONOMOUS DRIVING YEHICLES	Patent Cooperation Treaty	8/8	°N/A
PCT/1920)7/058086	12/18/2017	METHOD AND SYSTEM FOR SELF CAPACITY AWARE ROLLE PLANNING IN AUTONOMOUS DRIVING VEHICLES	Patent Cooperation Trusty	N/A	%/A
PCT/182017/058177	12/19/2017	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	Patent Cooperation Treaty	: N/A	N/A
PCT/1B2018A50271	1/16/2018	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYDRID DRIVING	Patent Cooperation Treasy	N/A	N/A
PC (783018/03026)	1/15/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON DRIVER'S STATE IN HYBRID DRIVING	Patent Cooperation Treaty	18/A	N/A
PCT/183018/080372	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWARE CAPABILITY PARAMETERS IN HYBRID DRIVING	Patens Cooperation Treaty	N/A.	N/A
PCT/882017A558173	12/19/2017	METHOD AND SYSTEM FOR RISK BASED DRIVING MODE SWITCHING IN HYDRID DRIVING	Paient Cooperation Treaty	N/A	N/A
PCT/18/2017/058174	12/19/2017	METHOD AND SYSTEM FOR RISK CONTROL IN SWITCHING DRIVING MODE	Patens Cooperation Treaty	****	18/4
PCTAL82018/086277	12/18/2018	METHOD AND SYSTEM FOR STEREO BASED VEHICLE PORE ESTIMATION	Patent Cooperation Treaty	N/A	18/8

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Non-U.S. Patents and Applications

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Application	Application	Title	Louinry	Registration	Registration Date
No	Date			<b>\</b>	Uaic
PCT/1/82018/087545	32/26/2018	METHOD AND SYSTEM FOR MULTIPLE STEREO BASED DEPTH ESTIMATION AND COLLISSON WARNING/AVOIDANCE UTILIZING THE SAME	Patent Cooperation Trans	8/4	. \$4.4
PC T/182021/053058	47(3/202)	INTEGRATED FIDUCIAL MARKER FOR SIMULTANEOUSLY CALIBRATING SENSORS OF DIFFERENT TYPES	Patent Cooperation Treaty		
16-2928-7917778	12/19/2017	METHOD AND SYSTEM FOR ADAPTING AUGMENTED SWITCHING WARNING	Republic of Karsa		
10-2020-7017787	1/16/2018	METHOD AND SYSTEM FOR AUGMENTED ALERTING BASED ON DRIVER'S STATE IN HYBRID DRIVING	Republic of Kores		
16-2026-7017799	1/16/2018	METHOD AND SYSTEM FOR DRIVING MODE SWITCHING BASED ON SELF-AWASE CAPABILITY PARAMETERS IN HYBRID DRIVING	Republic of Kores		

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**RECORDED: 11/22/2021**