506293553 10/07/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VITOR GUIZILINI	07/15/2020
JIE LI	07/15/2020
RARES A. AMBRUS	07/22/2020
SUDEEP PILLAI	07/15/2020
ADRIEN DAVID GAIDON	07/15/2020

RECEIVING PARTY DATA

Name:	TOYOTA RESEARCH INSTITUTE, INC.
Street Address:	4440 EL CAMINO REAL
City:	LOS ALTOS
State/Country:	CALIFORNIA
Postal Code:	94022

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16937470

CORRESPONDENCE DATA

Fax Number: (310)201-5219

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.

Phone: 3102777200

Email: LAXIPDocket@seyfarth.com

Correspondent Name: SEYFARTH SHAW LLP / TOYOTA RESEARCH INSTITUTE INC.

Address Line 1: 2029 CENTURY PARK EAST, SUITE 3500 LOS ANGELES, CALIFORNIA 90067-3021

ATTORNEY DOCKET NUMBER: 2019-1516/IPA-4486/TRI179

NAME OF SUBMITTER: PUYA PARTOW-NAVID

SIGNATURE: /Puya Partow-Navid/

DATE SIGNED: 10/07/2020

Total Attachments: 3

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PATENT REEL: 054002 FRAME: 0907

ASSIGNMENT

WHEREAS, WE,

- 1. **Vitor GUIZILINI**, a citizen of Brazil, having a mailing address located at 4440 El Camino Real, Los Altos, California 94022, U.S.A. and a resident of Santa Clara, California,
- 2. **Jie LI**, a citizen of China, having a mailing address located at 4440 El Camino Real, Los Altos, California 94022, U.S.A. and a resident of Los Altos, California,
- 3. **Rares A. AMBRUS**, a citizen of Romania, having a mailing address located at 4440 El Camino Real, Los Altos, California 94022, U.S.A. and a resident of San Francisco, California,
- 4. **Sudeep PILLAI,** a citizen of India, having a mailing address located at 4440 El Camino Real, Los Altos, California 94022, U.S.A. and a resident of Santa Clara, California,
- 5. **Adrien David GAIDON,** a citizen of France, having a mailing address located at 4440 El Camino Real, Los Altos, California 94022, U.S.A. and a resident of Mountain View, California,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to A SYSTEM AND METHOD FOR MONOCULAR DEPTH ESTIMATION FROM SEMANTIC INFORMATION (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, TOYOTA RESEARCH INSTITUTE, INC. (hereinafter "ASSIGNEE"), a California corporation, having a place of business at 4440 El Camino Real, Los Altos, California 94022, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, including but not limited to U.S. Application No(s). _______ filed _______, TRI Reference No. 2019-1516 / IP-A-4486, and all provisional applications relating thereto, , (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

PATENT REEL: 054002 FRAME: 0908 AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and 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 on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at	7/15/2020 • on		Vitor Guizilini	
	LOCATION	DATE	Vitor GUIZILINI	
Done at		7/15/2020	Jie Li	
	LOCATION	DATE		

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AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

		7/22/2020	Kares U. Umbrus
Done at _		_, on	
	LOCATION	DATE	Rares A. AMBRUS
Done at		7/15/2020 , on	Sudeep Pillai
Done ut _	LOCATION	DATE	Sudeep PILLAI
Done at		7/15/2020 • on	4
	LOCATION		Adrien David GAIDON

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RECORDED: 10/07/2020