505339459 02/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5386240

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH G. LACHAPELLE	11/06/2018
JASON M. EICHENHOLZ	11/12/2018
STEPHEN D. GAALEMA	11/07/2018
AUSTIN K. RUSSELL	11/13/2018

RECEIVING PARTY DATA

Name:	LUMINAR TECHNOLOGIES, INC.		
Street Address:	12601 RESEARCH PARKWAY		
City:	ORLANDO		
State/Country:	FLORIDA		
Postal Code:	32826		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16017650

CORRESPONDENCE DATA

Fax Number:

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Correspondent Name: LUMINAR TECHNOLOGIES, INC.
Address Line 1: 12601 RESEARCH PARKWAY
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ATTORNEY DOCKET NUMBER:	32797/F202C
NAME OF SUBMITTER:	GRACI SANTILLI
SIGNATURE:	/Graci Santilli/
DATE SIGNED:	02/21/2019

Total Attachments: 5

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PATENT 505339459 REEL: 048398 FRAME: 0047

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PATENT REEL: 048398 FRAME: 0048 Application No.: 16/017,650 Docket Number: 32797/F202C

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ASSIGNMENT

WHEREAS, Joseph G. LaChapelle residing at Philomath, OR, Jason M. Eichenholz residing at Orlando, FL, Stephen D. Gaalema, residing at Colorado Springs, CO and Austin K. Russell, residing at Orlando, FL, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to a LIDAR DETECTOR HAVING A PLURALITY OF TIME TO DIGITAL CONVERTERS INTEGRATED ONTO A DETECTOR CHIP (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been filed (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, LUMINAR TECHNOLOGIES, INC., a Delaware Corporation, having an address at 12601 Research Parkway, Orlando, FL 32826 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 62/477,944, filed March 28, 2017), and all nonprovisional applications claiming priority thereto, including, U.S. Application No. 15/727,073, filed October 6, 2017 and U.S. Application No. 16/017,650, filed June 25, 2018, all divisions, continuations, continuations-inpart, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests 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 as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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Legal Name of inventor: Joseph G. LaChapelle Signature: Signature before a Notary is desirable but not refer to a Notary, please attach the appropriate notary.	Date:

Signature:

Date: 11 | 2 | Signature:

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

Application No.: 16/017,650

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Legal Name of inventor: Stephen D. Gaalema

Signature:

Date: // - 7 - / 8

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

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Filing Date: June 25,	2018		Page 5 of 5
Legal Name of inver	ntor: Austin K. Russell		
Signature:		Date:	11/13/2018
	Signature before a Notary is des of a Notary, please attach the ap	irable but not required. propriate notarial docu	When signed in presence mentation.

PATENT REEL: 048398 FRAME: 0053

Docket Number: 32797/F202C

RECORDED: 02/21/2019

Application No.: 16/017,650 Filing Date: June 25, 2018