## 505451764 04/30/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY	DATA						
			Name		Execution Date		
TOMI P. MAILA					04/25/2019		
RECEIVING PARTY [	ΟΑΤΑ						
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NAME OF SUBMITTER:			GRACI SANTILLI				
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DATE SIGNED:			04/30/2019				
DATE SIGNED: Total Attachments: 2			04/30/2019				
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## ASSIGNMENT

WHEREAS, Tomi P. Maila, residing at San Carlos, CA, (individual(s) hereinafter "ASSIGNOR") as a joint inventor with Pranav Maheshwari, residing at Palo Alto, CA and Benjamin Englard, residing at Palo Alto, CA, invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to DETERMINING RELATIVE VELOCITY USING CO-LOCATED PIXELS (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). 62/715,030, filed August 6, 2018, and all nonprovisional applications claiming priority thereto, including, U.S. Application No. 16/196,630, filed November 20, 2018, all divisions, continuations, continuations-in-part, 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, sign all lawful papers, and 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.

Legal Name of inver	tor: Tomi P. Maila		
Signature:	Tel	Date:	4/25/2019
	<i>Signature before a Notary is desirable of a Notary, please attach the appropr</i>		