505612337 08/08/2019 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
MR. ALBERTO DANIEL LACAZE		08/08/2019
MR KARL NICHOLAS MURPHY		08/06/2019

Name:	ROBOTIC RESEARCH, LLC		
Street Address:	555 QUINCE ORCHARD ROAD, SUITE 300		
City:	GAITHERSBURG		
State/Country:	MARYLAND		
Postal Code:	20878		

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15135082
Application Number:	16527199

CORRESPONDENCE DATA

Fax Number:(240)631-0092Correspondence 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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DATE SIGNED:		08/08/2019		
Total Attachments: 2 source=Assignment #8#page1.tif				

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ASSIGNMENT OF US PATENT APPLICATION

Wherein, We, Alberto Daniel Lacaze and Karl Nicholas Murphy hereafter referred to as ASSIGNORS, are the joint inventors of record of certain new and useful methods and systems for the following inventions:

- A. "Detection of Multi-Rotors with Electromagnetic Signatures" for which an application for a United States Patent was filed on 4/8/2019 and received Application Number 15/135,082.
- B. "Autonomous Waste Collection Truck" for which an application for a United States Patent was filed on 7/24/2019 and received Application Number 16/527,199.

Whereas, the Entity named Robotic Research, LLC through Alberto Daniel Lacaze, President, have referred to as "ASSIGNEE" whose mailing address is 555 Quince Orchard Road, Suite 300, Gaithersburg, MD 20878 is desirous of acquiring the entire right, title, and interest in the same.

Now, therefore, in consideration of good and valuable consideration, the receipt whereof is acknowledged. We the ASSIGNORS, by these presents do sell, assign, and transfer unto said ASSIGNEE the full and exclusive right to the said invention in the United States and the entire rights, title, and interest in and to any and all patents which may be granted therefore in the United States and each and every foreign country to the United States.

ASSIGNORS agree to execute all papers, give any required testimony, and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEEE's interest in any resulting patent of the United State3s and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and thereof, and ASSIGNEE'S interest therein.

ASSIGNORS hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been and entirely as the same would have been held by the me had this assignment and sale not been made.

Bluey or AU 2019. Executed By;Alberto Daniel Lacaze, as: Joim Inventor; ASSIGNOR Executed this 6 day of Arg. 2019. $\mathbf{B}\mathbf{y}$: Karl Nicholas Murphy, as Joint Inventor: ASSIGNOR Any of AUG 2019 Executed this 8 8y: Bresident of Robotic Research, LLC, as ASSIGNEE Alberra Dania

PATENT REEL: 049999 FRAME: 0312

RECORDED: 08/08/2019