

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	CHARLES A. CASTRONOVO	08/15/2019
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<b>PROPERTY NUMBERS Total: 2</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	9463465	
<b>Application Number:</b>	15238247	
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<b>SIGNATURE:</b>	/Mary E. Goulet/	
<b>DATE SIGNED:</b>	08/27/2019	
<b>Total Attachments: 2</b>		
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source=Assignment#page2.tif		

**ASSIGNMENT OF UNITED STATES PATENT**

Whereas **Charles A. Castronovo**, of Middle River, Maryland, hereinafter referred to as "Assignor", owns the entire interest in United States Patent Number 9,463,465 which issued on October 11, 2016 and continuation application having United States Patent Application Serial Number 15/238,247 which was filed on August 16, 2016, and;

Whereas **Applied Magnetics Lab, Inc.**, having a place of business at 401 Manor Street, York, Pennsylvania (herein referred to as "ASSIGNEE"), desires to acquire, and the undersigned ASSIGNOR desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the undersigned ASSIGNOR hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, the undersigned ASSIGNOR hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and the undersigned ASSIGNOR agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, or assigns.

The undersigned ASSIGNOR acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to ASSIGNEE and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. The undersigned ASSIGNOR also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

I hereby authorize and request any attorney of W & C IP, P.C., Customer No. 30743, to insert or correct any information concerning the identity of ASSIGNOR, ASSIGNEE, or the above-mentioned patent (including the serial no. and the filing date).

15 Aug 2019  
Date

  
Signature

Printed Name : Charles A. Castronovo