

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREAS ROBERT ZEMLA	03/28/2017
SASCHA THIELTGES	03/28/2017
FRANK GRAZIOLA	03/28/2017
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<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	53840
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15880153
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<b>NAME OF SUBMITTER:</b>	JANELLE A. BAILEY
<b>SIGNATURE:</b>	/Janelle A. Bailey/
<b>DATE SIGNED:</b>	01/25/2018
<b>Total Attachments: 4</b>	
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Moyles IP Docket No. DMC024UScon

GLOBAL ASSIGNMENT

In accordance with my/our obligation(s) under any employee agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence Country
Andreas	Robert	Zemia	of	Much	DE
Sascha		Thieltges	of	Siegburg	DE
Frank		Graziola	of	Königswinter	DE

hereby sell and assign to:

Name of Company DynaEnergetics GmbH & CO. KG

Address: Kaiserstrasse 3, Troisdorf, 53840, DE

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title
US	Provisional-Utility	62/454,841	2/5/2017	ELECTRONIC IGNITION CIRCUIT AND METHOD FOR USE
US	Utility	15/499,439	4/27/2017	ELECTRONIC IGNITION CIRCUIT AND METHOD FOR USE
US	Utility	15/880,153	01/25/2018	ELECTRONIC IGNITION CIRCUIT

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1

Signature: \_\_\_\_\_

Andreas Robert Zemla

Date: \_\_\_\_\_

28.03.2017

Witnessed by: \_\_\_\_\_

Signature

Date: \_\_\_\_\_

28.03.2017

CHRISTINA KOTTEN

Printed Name of Witness

Witnessed by: \_\_\_\_\_

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SANDRA BINAR

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INVENTOR 2

Signature: Sascha Thielges  
Sascha Thielges

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INVENTOR 3

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