

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5808447

<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	11/08/2018
SASCHA THIELTGES	11/08/2018
FRANK GRAZIOLA	11/08/2018
LIAM MCNELIS	11/09/2018
FRANK HARON PREISS	11/08/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DYNAENERGETICS GMBH & CO. KG
<b>Street Address:</b>	KAISERSTRASSE 3
<b>City:</b>	TROISDORF
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	53840
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16661164
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(866)250-1636
<i>Correspondence 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.</i>	
<b>Phone:</b>	2034284420
<b>Email:</b>	mkenney@moylesip.com
<b>Correspondent Name:</b>	MOYLES IP, LLC
<b>Address Line 1:</b>	1 ENTERPRISE DRIVE
<b>Address Line 2:</b>	SUITE 428
<b>Address Line 4:</b>	SHELTON, CONNECTICUT 06484
<b>ATTORNEY DOCKET NUMBER:</b>	DMC044US
<b>NAME OF SUBMITTER:</b>	MICHAEL P. KENNEY
<b>SIGNATURE:</b>	/Michael P. Kenney/
<b>DATE SIGNED:</b>	11/07/2019
<b>Total Attachments: 6</b>	

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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 State	Residence Country
Andreas	Robert	Zernia	of	Much		Germany
Sascha		Thieltges	of	Siegburg		Germany
Frank		Graziola	of	Königswinter		Germany
Liam		McNelis	of	Bonn		Germany
Frank	Haron	Preiss	of	Bonn		Germany

hereby sell and assign to:

Name of Company: DynaEnergetics GmbH & Co. KG
Address: Kaiserstrasse 3, Troisdorf 53840, Germany

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	62/756,751	11/07/2018	ELECTRONIC TIME DELAY FUSE
US	Utility	16/661,164	10/23/2019	ELECTRONIC TIME DELAY FUSE

(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

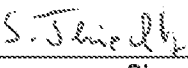
Signature:   
Andreas Robert Zemla

Date: 8.10.2018

Witnessed by:   
Signature

Date: 08.10.2018

Frank Graziola  
Printed Name of Witness

Witnessed by:   
Signature

Date: 08.11.2018

Sascha Thieltyes  
Printed Name of Witness

Moyles IP Docket No. DMC044

INVENTOR 2

Signature: S. Thielges  
Sascha Thielges

Date: 8. 11. 2018

Witnessed by: [Signature]  
Signature

Date: 8. 11. 2018

ZENLA  
Printed Name of Witness

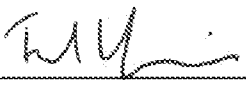
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Signature

Date: 08. 11. 2018

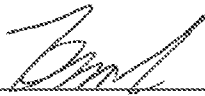
Frank Groziola  
Printed Name of Witness

Moyles IP Docket No. DMC044

INVENTOR 3

Signature:   
Frank Graziola

Date: 08.11.18

Witnessed by:   
Signature

Date: 8.11.18

ZEMIA  
Printed Name of Witness

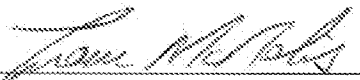
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Signature

Date: 08.11.18

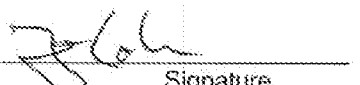
Sascha Thielges  
Printed Name of Witness

Moyles IP Docket No. DMC044

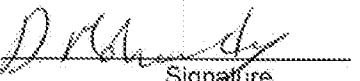
INVENTOR 4

Signature:   
Liam McNelis

Date: 9<sup>th</sup> Nov. 2018

Witnessed by:   
Signature  
Jörn Löhke  
Printed Name of Witness

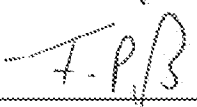
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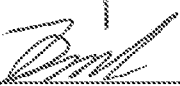
Witnessed by:   
Signature  
David Yaschmejad  
Printed Name of Witness

Date: 9<sup>th</sup> Nov. 2018

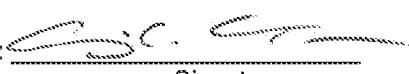
Moyles IP Docket No. DMC044

INVENTOR 5

Signature:  Date: 11/8/18  
Frank Haron Preiss

Witnessed by:  Date: 8.11.18  
Signature

FEMIA  
Printed Name of Witness

Witnessed by:  Date: 8.11.18  
Signature

CHRISTINA KOTTAN  
Printed Name of Witness