504001917 09/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4048573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICHOLAS MCGUIRE	03/20/2015
RODERICK DAEBELLIEHN	03/19/2015
GREGORY MARTIN	03/20/2015

RECEIVING PARTY DATA

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Street Address:	P.O. BOX 13222
City:	SACRAMENTO
State/Country:	CALIFORNIA
Postal Code:	95813-6000

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15125591

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ATTORNEY DOCKET NUMBER:	AR100049; 67397-501PUS1
NAME OF SUBMITTER:	MATTHEW L. KOZIARZ
SIGNATURE:	/Matthew L. Koziarz/
DATE SIGNED:	09/13/2016

Total Attachments: 5

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ASSIGNMENT (Joint Inventors)

WHEREAS, we, Nicholas McGuire of P.O. Box 13222, Sacramento, CA 95813-6000; Roderick Daebelliehn of P.O. Box 13222, Sacramento, CA 95813-6000; and Gregory Martin of P.O. Box 13222, Sacramento, CA 95813-6000, (hereinafter referred to as Assignors), have invented new and useful improvements in:

LIGHTWEIGHT MUNITION

which is set forth in an application in the United States executed on even date herewith, which claims priority to U.S. Provisional Patent Application No. 61/968,092, filed March 20, 2014:

AND WHEREAS, Aerojet Rocketdyne, Inc., (hereinafter referred to as Assignee), of P.O. Box 13222, Sacramento, CA 95813-6000, is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignor hereby covenants and agrees that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

The undersigned hereby authorize(s) the assignee to insert the application number and filing date of the above-noted international patent application into the following spaces, when known:

Int'l. Application No. PCT/US2015/021368 Int'l. Filing Date: March 19, 2015

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Dated:	03/20/15	AR 100049; 67397-501PCT
		Nicholas McGuire
Dated:	19 Marcy 2015	-1217 / K
		Roderick Daebellichn
Dated:	03-20-15	<u> </u>
		Gregory Martin

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

CARLSON, GASKEY & OLDS, P.C. 400 W. Maple, Suite 350 Birmingham, MI 48009 (248) 988-8360

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State of California County of <u>Sacramento</u> On 3 12012015 before me. To) Inno M. Nona Notary Public
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subscribed to the within instrument and ackno-	ry evidence to be the person(s) whose name(s) is/are wledged to me that person(s) whose name(s) are in his/her/their signature(s) on the instrument the person(s), acted, executed the instrument.
*	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
JANINE M. WONG Commission # 2063872 Notary Public - California Sacramento County	WITNESS my hand and official seal. Signature Signature of Notary Public
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