

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5318274

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DOUGLAS S. PARKER	07/05/2017
DANIEL P. CAP	07/17/2017
FREDERICK E. DODD	07/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AEROJET ROCKETDYNE, INC.
<b>Street Address:</b>	P.O. BOX 13222
<b>City:</b>	SACRAMENTO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95813-6000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16316685
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	818-586-1377
<b>Email:</b>	joel.landau@rocket.com
<b>Correspondent Name:</b>	JOEL G LANDAU AEROJET ROCKETDYNE
<b>Address Line 1:</b>	PO BOX 7922
<b>Address Line 2:</b>	RLB70
<b>Address Line 4:</b>	CANOGA PARK, CALIFORNIA 91304
<b>ATTORNEY DOCKET NUMBER:</b>	AR200057; 67397-546PUS1
<b>NAME OF SUBMITTER:</b>	MATTHEW L. KOZIARZ
<b>SIGNATURE:</b>	/Matthew L. Koziarz/
<b>DATE SIGNED:</b>	01/10/2019
<b>Total Attachments: 6</b>	
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**ASSIGNMENT**  
**(Joint Inventors)**

WHEREAS, we, Douglas S. Parker of Camarillo, California; Daniel P. Cap of Chatworth, California; and Frederick E. Dodd of Oak Park, California, (hereinafter referred to as Assignors), have invented new and useful improvements in:

**INJECTOR ELEMENT FOR ROCKET ENGINE**

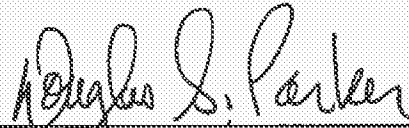
which is a National application of PCT/US2017/039938 filed June 29, 2017, which claims priority to Unites States Provisional Application No. 62/364,257 filed July 19, 2016, which is set forth in an application in the United States executed on even date herewith:

AND WHEREAS, Aerojet Rocketyne, 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.

Dated: 5 July 2017

  
\_\_\_\_\_  
Douglas S. Parker

Dated: 7/12/17

  
Daniel P. Cap

Dated: \_\_\_\_\_

\_\_\_\_\_  
Frederick E. Dodd

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

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

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel P. Cap

Dated: 7/17/17

Frederick E. Dodd  
Frederick E. Dodd

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

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

## ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Los Angeles

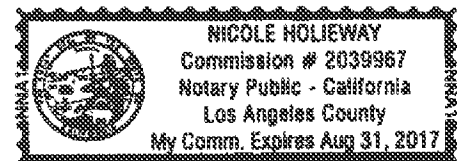
On July 5, 2017 before me, Nicole Holieway, Notary Public  
(insert name and title of the officer)

personally appeared Douglas Steven Parker  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in  
his/~~her/their~~ authorized capacity(ies); and that by his/~~her/their~~ signature(s) on the instrument the  
person(s), or the entity upon behalf of which 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.

WITNESS my hand and official seal.

Signature  (Seal)



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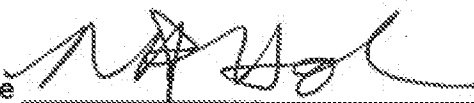
State of California  
County of Los Angeles

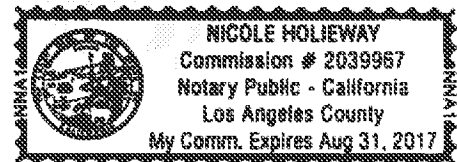
On July 17, 2017 before me, Nicole Holieway, Notary Public  
(insert name and title of the officer)

personally appeared Daniel Peter Cap  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which 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.

WITNESS my hand and official seal.

Signature  (Seal)



## ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Los Angeles

On July 17, 2017 before me, Nicole Holieway, Notary Public  
(insert name and title of the officer)

personally appeared Frederick Earl Dodd  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in  
his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which 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.

WITNESS my hand and official seal.

Signature [Signature] (Seal)

