

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4151279

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFF MILLER	06/29/2015
SALEH TYEBJEE	06/29/2015
THADDEUS CHILCOAT	06/29/2015
STEVEN GROTA	06/29/2015
<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>	15312720
<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>	AR100060; 67397-507PUS1
<b>NAME OF SUBMITTER:</b>	MATTHEW L. KOZIARZ
<b>SIGNATURE:</b>	/Matthew L. Koziarz/
<b>DATE SIGNED:</b>	11/21/2016
<b>Total Attachments: 5</b>	
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ASSIGNMENT  
(Joint Inventors)

WHEREAS, we, Jeff Miller of Simi Valley, CA; Saleh Tyebjee of Sacramento, CA; Thaddeus Chilcoat of Moorpark; and Steven Grota of Simi Valley, CA, (hereinafter referred to as Assignors), have invented new and useful improvements in:

**TURBOPUMP WITH AXIALLY CURVED VANE**

which claims priority to U.S. Provisional Application No. 62/022,279 filed July 9, 2014, and which is set forth in an application in the United States executed on even date herewith:

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/US2015/038230 Int'l. Filing Date: June 29, 2015

Dated: 6/29/2015

Jeff Miller  
Jeff Miller

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

\_\_\_\_\_  
Saleh Tyebjee

Dated: 6/29/2015

Thaddeus Chilcoat  
Thaddeus Chilcoat

Dated: 6/29/2015

Steven Grota  
Steven Grota


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: \_\_\_\_\_

\_\_\_\_\_  
Jeff Miller

Dated: 6/29/15

  
\_\_\_\_\_  
Saleh Tyebjee

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

\_\_\_\_\_  
Thaddeus Chilcoat

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

\_\_\_\_\_  
Steven Grota

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

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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 June 29, 2015 before me, Nicole Holieway, Notary Public  
Steven Grotz; (insert name and title of the officer)

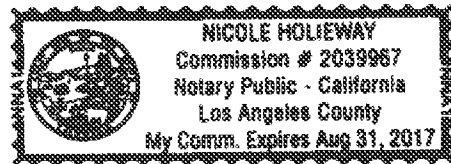
personally appeared Thaddaus Chilcoat ; Jeff Miller  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and 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 [Handwritten Signature]

(Seal)



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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 Sacramento

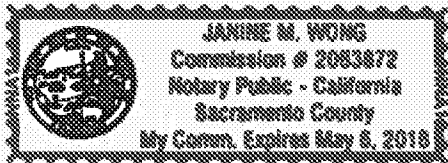
On 6/29/2015 before me, Janine M Wong Paralegal

personally appeared Saleh Tyebjee Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) 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 [Handwritten Signature] Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Assignment Document Date: AR100060, 67397-507 PCF

Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:

- Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:

Signer Is Representing: SELF

Signer's Name:

- Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:

Signer Is Representing: