### 11/08/2019 505765479

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5812295

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SCOTT JUDGE	11/07/2019
NEIL HAVRILLA	11/07/2019
NATHAN TERWILLIGER	11/07/2019
CHRISTOPHER SHAGES	11/07/2019
A.K. NECIOGLU	11/07/2019

### RECEIVING PARTY DATA

Name:	FLOWSERVE MANAGEMENT COMPANY
Street Address:	5215 NORTH O'CONNOR BLVD.
Internal Address:	SUITE 2300
City:	IRVING
State/Country:	TEXAS
Postal Code:	75039

### **PROPERTY NUMBERS Total: 2**

Property Type	Number		
Application Number:	16678998		
Application Number:	62758366		

## **CORRESPONDENCE DATA**

Fax Number: (801)531-9168

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Email: cvjohnson@traskbritt.com GREGORY C. BAKER **Correspondent Name:** 

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TTORNEY DOCKET NUMBER: 3740-14516US & 14516.1US			
NAME OF SUBMITTER:	GREGORY C. BAKER		
SIGNATURE:	/GREGORY C. BAKER/		
DATE SIGNED:	11/08/2019		

# Total Attachments: 9 source=2019-Nov-08-Assignment-14516-1US#page1.tif source=2019-Nov-08-Assignment-14516-1US#page2.tif source=2019-Nov-08-Assignment-14516-1US#page3.tif source=2019-Nov-08-Assignment-14516-1US#page4.tif source=2019-Nov-08-Assignment-14516-1US#page5.tif source=2019-Nov-08-Assignment-14516-1US#page6.tif source=2019-Nov-08-Assignment-14516-1US#page7.tif source=2019-Nov-08-Assignment-14516-1US#page8.tif source=2019-Nov-08-Assignment-14516-1US#page9.tif

### ASSIGNMENT

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to FLOWSERVE MANAGEMENT COMPANY ("ASSIGNEE"), a Corporation of the State of Texas, having a place of business at 5215 North O'Connor Blvd., Suite 2300, Irving, TX 75039, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements that are disclosed in the Provisional Application for United States Letters Patent listed in the attached Exhibit A, such applications and all utility conversions including Patent Cooperation Treaty (PCT) applications, divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents that have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible that the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNOR(S):		
Zach Procita  Residing at: 1726 BEALON LAWE, Irving, TX  WARRINGTON PA 18776		71/7/2019
Witness for Zach Procita  Signature  Printed Name  Scale Judge	Date:	11/7/19
Jason Bandi Residing at:, Irving, TX	Date:	
Witness for Jason Bandi Signature Printed Name	Date:	
Mark O'Sullivan Residing at: 518 BARQYMOLS ST , Irving, TX PHILLIPSBULG, NJ 08865	Date:	11/7/2019
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Scott Judge Residing at:, Irving, TX		·
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Christopher Shages Residing at:, Irving, TX	Date:	
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	Date:	
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Witness for Cinnamon Christian	
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	Date:
Tim Nitz Residing at:	-
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Timed rame	
	Date:
Stephen Schappert Residing at:	-
Witness for Stephen Schappert	
Signature	Date:
Printed Name	

Norman R. Le Doux Jr. Residing at: 5273 Rlue Sky Do., Irving, The Ocefield PA. 18069	Date: 11/7/2019
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Neil Havrilla  Residing at: 2559 Black Forest Dr., Irving, TE  Coplay PA 18037	Date: 11-7-19
Witness for Neil Havrilla  Signature   Printed Name   Switt Judge	Date: 11/7/19
David Olexson  Residing at:, Irving, T>	Date:
Witness for David Olexson  Signature Printed Name	Date:

# EXHIBIT A

Title	Application No.	Filing Date	TraskBritt Ref.	Client Ref.
FLUID EXCHANGE DEVICES AND RELATED CONTROLS, SYSTEMS, AND METHODS	62/758,327	11/09/2018	3740-P14484US	H8126 (DWEER FRAC SYSTEM)
VALVES INCLUDING ONE OR MORE FLUSHING FEATURES AND RELATED ASSEMBLIES, SYSTEMS, AND METHODS	62/758,340	11/09/2018	3740-P14485US	H8126 (SELF FLUSHING CHECK VALVE)
FLUID EXCHANGE DEVICES AND RELATED CONTROLS, SYSTEMS, AND METHODS	62/758,346	11/09/2018	3740-P14487US	H8126 (4WAY DYNAMICALLY- SEALED VALVE)
FLUID EXCHANGE DEVICES AND RELATED SYSTEMS, AND METHODS	62/758,359	11/09/2018	3740-P14488US	H8126 (LINXVALVE ACTUATOR AND GEOMETRY CONTROL)
FLUID EXCHANGE DEVICES AND RELATED CONTROLS, SYSTEMS, AND METHODS	62/758,366	11/09/2018	3740-P14516US	H8126 (ACTUATOR CONTROL WITH SYSTEM FEEDBACK)

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PISTONS FOR USE	62/758,373	11/09/2018	3740-P14537US	H8126
IN FLUID		A total		(SEPARATOR
EXCHANGE				PISTON IDAF)
DEVICES AND				
RELATED DEVICES,				
SYSTEMS, AND				
METHODS				