

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5094511

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EDGARD POIATE JUNIOR	06/20/2018
CLAUDIO DOS SANTOS AMARAL	06/20/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PETRÓLEO BRASILEIRO S.A. - PETROBRAS
<b>Street Address:</b>	AVENIDA REPÚBLICA DO CHILE NO 65
<b>Internal Address:</b>	CENTRO CEP
<b>City:</b>	RIO DE JANEIRO
<b>State/Country:</b>	BRAZIL
<b>Postal Code:</b>	20035-900
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14360830
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<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>	202-293-7060
<b>Email:</b>	sughrue@sughrue.com
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE NW, SUITE 800
<b>Address Line 4:</b>	WASHINGTON, D.C. 20037
<b>ATTORNEY DOCKET NUMBER:</b>	Q211898
<b>NAME OF SUBMITTER:</b>	MARGARET AHN- SECRETARY
<b>SIGNATURE:</b>	/MARGARET AHN/
<b>DATE SIGNED:</b>	08/13/2018
<b>Total Attachments: 2</b>	
source=Q211898Assignmentbytwoinventors#page1.tif	
source=Q211898Assignmentbytwoinventors#page2.tif	

## Assignment

Whereas, We, Edgard Poiate JUNIOR; Jose Nunes PIMENTEL NETO; Fernando Antonio Santos MEDEIROS; Alvaro Maia DA COSTA; Jose Luiz FALCÃO; Claudio DOS SANTOS AMARAL; and Renato Seixas DA ROCHA, respectively, hereinafter called assignors, have invented certain improvements in METHOD FOR TESTING NON-UNIFORM LOADS IN PIPES

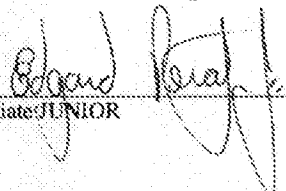
and executed an application for Letters Patent of the United States of America therefor;  
and

Whereas, PETRÓLEO BRASILEIRO S.A. - PETROBRAS of Avenida República do Chile no. 65, Centro CEP, 20035-900 Rio de Janeiro, Brazil, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 14/360,830 and Confirmation number 5758, filed May 27, 2014) the application number, confirmation number and filing date of said application when known.

Date: 20<sup>th</sup> June 2018   
s/Edgard Poiate JUNIOR

Date: \_\_\_\_\_  
s/Jose Nunes PIMENTEL NETO

Date: \_\_\_\_\_  
s/Fernando Antonio Santos MEDEIROS

Date: \_\_\_\_\_  
s/Alvaro Maia DA COSTA

Date:

s/José Luiz FALCÃO

Date:

6/20/18

s/Claudio DOS SANTOS AMARAL

Date:

s/Renato Seixas DA ROCHA

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)