PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Roberto Carlos Pontes BITTENCOURT	08/31/2011

RECEIVING PARTY DATA

Name:	PETROLEO BRASILEIRO S.A PETROBRAS
Street Address:	Av. Republica do Chile n. 65
City:	Rio de Janeiro, RJ
State/Country:	BRAZIL

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13212772

CORRESPONDENCE DATA

Fax Number: (202)293-7860 Phone: 202-293-7060

Email: sughrue@sughrue.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Sughrue Mion PLLC
Address Line 1: 2100 Pennsylvania Ave NW

Address Line 2: Suite 800

Address Line 4: Washington, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER: Q126201

NAME OF SUBMITTER: Catherine C. Merino, New Apps Specialist

Total Attachments: 1

source=Assignment_as_Filed#page1.tif

OP \$40.00 13

PATENT REEL: 027320 FRAME: 0288

Assignment

Whereas, I, Roberto Carlos Pontes BITTENCOURT of Rio de Janeiro, Brazil hereinafter called assignor, have invented certain improvements in PROCESSO PARA A PRODUCAO DE HIDROGENIO A PARTIR DO ETANOL and executed an application for Letters Patent of the United States of America therefor on ______; and

Whereas, PETROLEO BRASILEIRO S.A. - PETROBRAS of Av. Republica do Chile nº 65, Rio de Janeiro, RJ, 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,

I, the above named assignor, 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, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I 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 I hereby agree that the assignee may apply for foreign Letters Patent on the invention and I will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/212,772 and Confirmation number 6920, filed August 18, 2011) the application number and filing date of said application when known.

The last of the Decision Difference of

RECORDED: 12/02/2011

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

PATENT REEL: 027320 FRAME: 0289