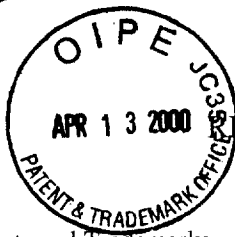


CORRECTIVE

Form PTO-1595
1-31-92



U.S. Department of Commerce
Patent and Trademark Office

07-14-2000



101402846

Our Ref.: 2764-11

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Jose MOZART FUSCO Eduardo CARDOSO DE MELO GUERRA Valmor NEVES VIEIRA Additional name/s of conveying party/ies attached? <input type="checkbox"/> 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: May 25, 1998; May 26, 1998, June 6, 1998		2. Name and address of receiving party(ies): Name: <u>PETROLEO BRASILEIRO S.A. - PETROBRAS</u> Internal Address: _____ Street Address: <u>Av. Republica do Chile No. 65</u> _____ _____ City: <u>Rio de Janeiro</u> State/Country: <u>BRAZIL</u> Zip: _____ Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No(s). (1) 09/101,353 (2) _____ (3) _____ B. Patent No(s). (1) _____ (2) _____ (3) _____ Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Michelle N. Lester</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u>	6. Total number of applications & patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.	
<p>05/01/2000 JSHAB077 00000306 09101353 01 FC:581 40.00 OP</p> <p>DO NOT USE THIS SPACE</p>		
9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. _____ Name of Person Signing Reg. No. 32,331 _____ Signature _____ Date Total number of pages including original cover sheet, attachments, and document: [2]		

MRD 7-2-98

09-08-1998

DPCT/PTO 02 JUL 1998

BOX ASSIGNMENTS

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ER SHEET
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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

09/101353

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. MOZART FUSCO, Jose
3. NEVES VIEIRA, Valmor
- 5.
- 7.

2. CARDOSO DE MIELO GUERRA, Eduardo
- 4.
- 6.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: PETROLEO BRASILEIRO S.A. - PETROBRAS

ADDRESS: Av. República do Chile, 65, Rio de Janeiro, RJ, BRAZIL

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

EXEC. DATE: 1)=May 25, 1998, 2)=May 26, 1998
and 3)=June 6, 1998

☐ CHANGE OF NAME ☐ VERIFIES TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1)=May 25, 1998, 2)=May 26, 1998 and 3)=June 6, 1998

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
09/101353					

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:

Cushman Darby & Cushman
Intellectual Property Group of
Pillsbury Madison & Sutro LLP
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS: = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

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SSPC/MLNA/HV

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
UNDER ORDER NO 71168 252339
dup. sheet not required CLIENT NO. MATTER NO.

MATTER NO.

CLIENT REF.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature

Attorney: MICHELLE N. LESTER

Reg. No. 32331

Atty/Sec: MNL/sdm

TEL: (202) 861-3693

Date: JUNE 2, 1998

FAX: (202) 822-0944

10. Total number of pages including this
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USA Patent Appln.
Sole or Joint

For Inventions made outside USA
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Atty. Dkt. PMS 252339

M#

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Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

(1) Jose MOZART FUSCO

(2) Eduardo CARDOSO DE MELLO
GUERRA

NAME(S) OF

(3) Valmor NEVES VIEIRA

(4)

INVENTOR(S)

(5)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

PETROLEO BRASILEIRO S.A. - PETROBRAS

NAME(S) OF

Av. Republica do Chile No. 65, Rio de Janeiro, BRAZIL

ASSIGNEE(S)

& ADDRESS(ES)

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

SYSTEM FOR SEALING A CYCLONE LEG

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appln.

No.

filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1) ☒ *[Signature]*

Name: Jose MOZART FUSCO

2) ☒ *[Signature]*

Name: Eduardo CARDOSO DE MELO GUERRA

3) ☒ *[Signature]*

Name: Valmor NEVES VIEIRA

4) Name: _____

Name: _____

5) Name: _____

Name: _____

DATE SIGNED

[Signature]
May 25, 1998

[Signature]
May 26, 1998

[Signature]
May 30, 1998

WITNESSES

[Signature]
Mario Luiz Novaes Avila

[Signature]
Mario Luiz Novaes Avila

[Signature]
Mario Luiz Novaes Avila

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

USA Patent Appln.
Sole or Joint

For inventions made outside USA

executed with or after application

Atty. Dkt. PMS 252339

M#

SSPC/MLNA/HV

Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT	(1) Jose MOZART FUSCO	(2) Eduardo CARDOSO DE MELLO GUERRA
NAME(S) OF	(3) Valmor NEVES VIEIRA	(4)
INVENTOR(S)	(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT	PETROLEO BRASILEIRO S.A. - PETROBRAS
NAME(S) OF	Av. Republica do Chile No. 65, Rio de Janeiro, BRAZIL
ASSIGNEE(S)	
& ADDRESS(ES)	

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF INVENTION SYSTEM FOR SEALING A CYCLONE LEG

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) ☒ even date herewith
(B) ☐ on _____
line A, B and/or C) (C) ☐ in U.S. Appln. _____ / _____ filed _____
No. _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTORS	DATE SIGNED	WITNESSES
1):	<input checked="" type="checkbox"/> <i>Jose Mozart Fusco</i>	<i>May 25, 1998</i>	<i>[Signature]</i>
Name:	Jose MOZART FUSCO		
2):	<input checked="" type="checkbox"/> <i>Eduardo Cardoso de Melo Guerra</i>	<i>May 26, 1998</i>	<i>[Signature]</i>
Name:	Eduardo CARDOSO DE MELO GUERRA		
3):	<input checked="" type="checkbox"/> <i>Valmor Neves Vieira</i>	<i>Jun 06, 1998</i>	<i>[Signature]</i>
Name:	Valmor NEVES VIEIRA		
4) Name:			
Name:			
5) Name:			
Name:			

PAT-114 11/97

RECORDED: 07/11/2000

PATENT
REEL: 010907 FRAME: 0861