

Form PTO-1595 (Rev. 03/01)

RE



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102034262

Tab settings

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

1. Name of conveying party(ies):

Claudemir CHATEAUBRIAND DE SOUZA Noboru YAMANE

3-7-02

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: COMPANHIA VALE DO RIO DOCE

Internal Address: Brazilian Company, BR 262-Km 296- P.O. Box 9

33030-970-Santa Luzia MG, Brazil

Street Address:

City: State: Zip:

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

JANUARY 18, 2002

Execution Date:

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)

10/010,733

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Rosenman & Colin, LLP

Internal Address:

03/27/2002 LMUELLER 00000083 501290 10010733 01 FC:581 40.00 CH

Street Address: 575 Madison Avenue 15th Floor IP Department

City: New York State: New York Zip: 10022-2585

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

50-1290

(Attach duplicate copy of this page if paying by deposit account)

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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.

Samson Helfgott

MARCH 7, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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Filed by Express Mail (Receipt No. 62895089 237 U) on March 7, 2002 pursuant to 37 C.F.R. 1.10 by PATENT

REEL: 012713 FRAME: 0962

ASSIGNMENT

Docket No. MITA 19 131

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in DEVICE FOR CONTINUOUSLY MEASURING THE TEMPERATURE IN PELLETIZING FURNACES

which (check one) [] an application is being filed concurrently herewith, [X] an application for a Patent of the United States was filed on November 8, 2001 and given Application Serial No 10/010, 733

and WHEREAS, COMPANHIA VALE DO RIO DOCE having a place of business at Brazilian Company BR 253-Km 206-PO Box 9 33030-970-Santa Luzia-MG-Brazil ASSIGNEE desires of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, sign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all continuations, renewals and extensions thereof.

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or country foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as forwarded, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith, and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Claudemir CHATEAUBRIAND DE SOUZA
Inventor's Signature [Signature] Date January 18, 2002
Residence Espirito Santo, Brazil Citizenship Brazilian Citizen
Post Office Address Rua Laurencino Proença Filho, 485-Apdx. 201H Id. da Penha-Vitória-Espirito Santo-Brazil

Full name of second joint inventor, if any Noboru YAMANE
Second Inventor's Signature [Signature] Date January 18, 2002
Residence Espirito Santo, Brazil Citizenship Brazilian citizen
Post Office Address Rua Carlos Martins, 878-Id. Camburi Vitória-Espirito Santo-Brazil

Full name of third joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of fourth joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

COPY FOR PURPOSES CONFIRMING INVENTORSHIP
Information.

ASSIGNMENT

Docket No. MITA 19.131

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in: A DEVICE FOR CONTINUOUSLY MEASURING THE TEMPERATURE IN PELLETIZING FURNACES

for which

(check one) [] an application is being filed concurrently herewith,

[X] an application for a Patent of the United States was filed on November 8, 2002
and given Application Serial No. 10/010,733

and WHEREAS, COMPANHIA VALE DO RIO DOCE
having a place of business at Brazilian Company, BR 262-Km 296-P.O. Box 9
33030-970-Santa Luzia MG, Brazil ASSIGNEE

is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Claudemir CHATEAUBRIAND DO SOUZA
Inventor's Signature _____ Date _____
Residence Epirito Santo, Brazil Citizenship BRAZILIAN
Post Office Address Rua Laurentino Proenca Filho, 485-Apto. 201H
Jd. Da Penha-Vitoria-Espirito Santo, Brazil

Full name of second joint inventor, if any _____
Second Inventor's Signature _____ Date _____
Residence Epirito Santo, Brazil Citizenship BRAZILIAN
Post Office Address Rua Carlos Martins, 878-Jd Camburi
Vitoria-Espirito Santo, Brazil

PATENT

RECORDED: 03/07/2002

REEL: 012713 FRAME: 0964