03-28-2002

	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)	. 1020	34262							
	Tab settings To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.									
	Name of conveying party(ies): Claudemir CHATEAUBRIAND DE SOUZA		Name and address of receiving party(ies) Name: COMPANHIA VALE DO RIO DOCE							
	Noboru YAMANE		Brazilian Company, BR 262-Km 296-							
	Additional name(s) of conveying party(le	3.7.02	Internal Address:P.O. Box 9							
	3. Nature of conveyance:	o) attached: La res La res	33030-970-Santa Luzia MG, Brazil							
	✓ Assignment		33030-970-Santa Luzia MG, Brazil							
	Security Agreement	Change of Name		R J	_					
	Gther			Annual Control of the	-					
	JANUARY 18, 2002 Execution Date:		City:	State:Zip:_৴	_					
				dress(es) attached? Yes 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)		B. Patent No.(s)							
	10/010,733									
	Additional numbers attached? Yes No									
	Name and address of party to whom correspondence concerning document should be mailed: Rosenman & Colin, LLP Name:		6. Total number of appl	ications and patents involved:						
			7. Total fee (37 CFR 3.41)\$							
	Internal Address:		Enclosed							
03/27/200	LMUELLER 00000083 501290 10010	1	Authorized to be	e charged to deposit account						
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	575 Madison Avennue Street Address: 15th Floor IP Department		8. Deposit account number: 50-1290							
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		w York 10022-2585	(Attach duplicate copy of this page if paying by deposit account)							
	DO NOT USE THIS SPACE									
	9. Statement and signature.									
	To the best of my knowledge a is a true copy of the original do Samson Helfgott	and belief, the foregoing	Information/is true and co	orrect and any attached copy MARCH 7, 2002						
	Name of Person Signi	${\text{ng}}$	Signature	Date	-					
	Total n	number of pages including cover	er sheet, attachments, and doc	cuments: 4						

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pursuant to 37 C.F.R. 1.10 by PATEN

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DEVICE FOR CO	NIINUOUSLY MEASORING	THE TEMPERATURE IN PELL	ETIZING FUR	NACES	-
which					
(check one)	[] an application is soing filed or	encurrently herewith,		1	
	[X] an application for a Parent of and given Application Serial N	the United States was filed on <u>Novemb</u> to <u>10/010, 733</u>	er_8, 2001		-
	PANHIA VALE DO RIO DOCE				_
ring a place of business	at Brecilian Company BR 262- Km. 33030-970- Sunta Luzza-MG -Bre				
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Full name of sale or t	first inventor Cla	udemir CHATBAUBRIAND DE S	OUZA		
nventor's Signature o	Charles Charles and d	Date January 18 Ciuzenship ^B	razilian C	itizen	
Residence Post Office Address	Espirato Santo Brazal	enca Filho, 485-Apip, 201H	- Callian C	1012EU	
DN MITTER WHITEPS"	Jd. da Penha-Vitón	a-Espirio Sano-Brazil			
Full name of second	ount inventor if any	Nobon YAMANE	40 000		
Second Inventor's Six	marure & Cham	Date Janua	ry 18,2002		
RESIDENCE Address	Spirito Santo, Brazil Rua Carlos Marrins	278 Id Careboni	Brazilian	citiken-	
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Citizenship

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COPY FOR PURPOSES CONFIRMING INVENTORSHIP Information.

ASSIGNMENT

	Docket No. <u>MITA 19.131</u>
	named inventor, ASSIGNOR, has made a certain new and useful invention in: IOUSLY 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
	COMPANHIA VALE DO RIO DOCE ess at Brazilian Company, BR 262-Km 296-P.O. Box 9
	33030-970-Santa Luzia MG, Brazil ASSIGNEE the entire right, title and interest in, to and under the said invention and the said application.
valuable consideration, tand set over, and by thes legal representatives and States application and all granted thereon and all twithout limitation, all apin any country or countriclaim for the same the p States, the International domestic laws of the couproperty protection, incl	FORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred se presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, d assigns, the entire right, title and interest in, to and under the said invention, and the said United II divisions, renewals and continuations thereof, and all Patents of the United States which may be reissues and extensions thereof; and all applications for industrial property protection, including, applications for patents, utility models, and designs which may hereafter be filed for said invention ries foreign to the United States, together with the right to file such applications and the right to priority rights derived from said United States application under the Patent Laws of the United Convention for the Protection of Industrial Property, or any other international agreement or the untry in which any such application is filed, as may be applicable; and all forms of industrial luding, without limitation, patents, utility models, inventor's certificates and designs which may be on in any country or countries foreign to the United States and all extensions, renewals and
Official of any country of forms of industrial property	thorizes and requests the Commissioner of Patents and Trademarks of the United States, and any or countries foreign to the United States, whose duty it is to issue patents or other evidence or erty protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its entatives and assigns, in accordance with the terms of this instrument; and
	venants and agrees that he has full right to convey the entire interest herein assigned, and has not xecute, any agreement in conflict herewith; and
representatives and assignapers, execute all diviseverything possible to a	rther covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal gns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful sional, continuing, reissue and foreign applications, make all rightful oaths, and generally do id the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce id invention in all countries.
	nventor Claudemir CHATEAUBRIAND DO SOUZA
Inventor's Signature Residence Epirito S	Date Date Citizenship BRAZILIAN

Post Office Address Rua Carlos Martins, 878-Jd Camburi
Vitoria-Espirito Santo, Brazil

RECORDED: 03/07/2002 REEL: 012713 FRAME: 0964

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BRAZILIAN

Rua Laurentino Proenca Filho, 485-Apto. 201H Jd. Da Penha-Vitoria-Espirito Santo, Brazil

Post Office Address

Residence_

Full name of second joint inventor, if any

Epirito Santo, Brazil

Second Inventor's Signature