PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

Name	Execution Date
Pascal PILUSO	06/30/2008
Melusine FERRIER	07/06/2009
Jean-Pierre BONNET	06/18/2009

RECEIVING PARTY DATA

Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE-CEA		
Street Address:	25, rue Leblanc, Immeuble "Le Ponant D"		
City:	Paris		
State/Country:	FRANCE		
Postal Code:	75015		

Name:	ECOLE NATIONALE SUPERIEURE DE CERAMIQUE INDUSTRIELLE			
Street Address:	47, avenue Albert Thomas			
City:	Limoges			
State/Country:	FRANCE			
Postal Code:	87100			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12520769

CORRESPONDENCE DATA

Fax Number: (202)737-3528

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Email: Kbrooks@browdyneimark.com Correspondent Name: Browdy and Neimark, P.L.L.C.

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ATTORNEY DOCKET NUMBER:	PILUSO=1	
NAME OF SUBMITTER:	Ronni S. Jillions	
Total Attachments: 3 source=2009-08-07assignment#page1.tif source=2009-08-07assignment#page2.tif source=2009-08-07assignment#page3.tif		

ASSIGNMENT

(1-5)	Insert Name(s) of Inventors	(1)	Pascal PILUSO
(7-3)	insert Name(s) of inventors	` ' '	
		` ' '	Jean-Pierre BONNET
		(4)	SOUL 1 COLO DE CENTRA
		paid to ead	deration of the sum-of-ten dollars (\$10.00) and other good and valuable considerations of the undersigned, the receipt of which is hereby acknowledged, each of the grees to assign, and hereby does assign, and set over to
(6)	Insert Name of Assignee	(6)	COMMISSARIAT A L'ENERGIE ATOMIQUE - CEA
(7)	Insert Address of Assignee	(7)	25, rue Leblanc, Immeuble "Le Ponant D"
			F-75015 Paris, France
		(6)	ECOLE NATIONALE SUPERIEURE DE CERAMIQUE INDUSTRIELLE
		(7)	47, avenue Albert Thomas
		,	F-87100 Limoges, France
(8)	Insert Identification of Inventior such as Title, Case Number or Foreign Application Number	for the Unite a, (8)	designated as the Assignee) the entire right, title and interest owned by the undersigned at States, its territories, dependencies and possessions, in the invention known as REFRACTORY CERAMIC MATERIAL HAVING A HIGH SOLIDUS TEMPERATURE. ITS MANUFACTURING PROCESS AND STRUCTURAL PART INCORPORATING SAID MATERIAL
	, , , , , , , , , , , , , , , , , , ,	for which the	e undersigned has filed or will file a provisional application, or for which undersigned has non-provisional application for patent in the United States of America
(9)	Identification		U.S. Application Number 12/520, 769
	for Filed Applications		filed June 22, 2009
and each of the undersigned also agrees to assign, and hereby does assign, transfer and set over to said assignee all provisional and non-provisional applications for patent, including any non-provisional application that claims the benefit of this application, if this application is a provisional, and any original and reissued Letters Patent of the United States granted for said invention and any divisions, reissues, continuations and extensions of any such non-provisional application(s) and in and to any Letters Patent that may be granted thereon, including the subject matter of any and all claims which may be obtained in every such patent. 1) Each of the undersigned agrees to execute all papers in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.			
	ng this application or continuation	n or division o	ecute all papers necessary in connection with any interference that may be declared rire-issue thereof and to cooperate with the Assignee in every way possible in obtaining
evidence and going forward with such interference. 3) Each of the undersigned agrees to perform all affirmative acts that may be necessary to obtain a grant of a valid United States patent to the Assignee.			
4) Each of the undersigned agrees to communicate to the Assignee or representatives thereof any facts known to him or her respecting the invention and improvements thereof, and will, upon request, but without expense to him or her, testify in any legal proceedings regarding the invention.			
5) Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.			
identificat documen	ion that may be necessary or	hereby grants desirable in o	the firm of Browdy and Neimark the power to insert on this assignment any further rder to comply with the rules of the United States Patent Office for recordation of this
inure to th	ne benefit of the heirs, executors	s, administrato	he heirs, executors, administrators, and/or assigns of each of the undersigned, and shall lirs, successors and/or assigns of the Assignee.
In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.			
(1) Date	e <u>39/06/2.co</u> 6 Signati	ure of Invento	r Pascal PILUSO
(2) Date	e Signate	ure of Invento	r Mélusine FERRIER
(3) Date	Signati	ure of Invento	Jean-Pierre BONNET
Date	Witnes	¢	

ASSIGNMENT

(1-5)	Insert Name(s) of Inventors	(1)	Pascal PILUSO
(1-0)	moest name(s) or miremers	(2)	Mélusine FERRIER
		(3)	Jean-Pierre BONNET
		(4)	
		la cons	ideration of the sum of ten dollars (\$10.00) and other good and valuable considerations
		paid to ea	ch of the undersigned, the receipt of which is hereby acknowledged, each of the dagrees to assign, and hereby does assign, and set over to
(6)	Insert Name of Assignee	(6)	COMMISSARIAT A L'ENERGIE ATOMIQUE - CEA
(7)	Insert Address of Assignee	(7)	25, rue Leblanc, Immeuble "Le Ponant D"
• /	, , , , , , , , , , , , , , , , , , ,		F-75015 Paris, France
		(6)	ECOLE NATIONALE SUPERIEURE DE CERAMIQUE INDUSTRIELLE
		(7)	47, avenue Albert Thomas
			F-87100 Limoges, France
		(hereinafter for the Unit	designated as the Assignee) the entire right, title and interest owned by the undersigned ed States, its territories, dependencies and possessions, in the invention known as
(8)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(8)	REFRACTORY CERAMIC MATERIAL HAVING A HIGH SOLIDUS TEMPERATURE, ITS MANUFACTURING PROCESS AND STRUCTURAL PART INCORPORATING SAID MATERIAL
		for which the executed a	ne undersigned has filed or will file a provisional application, or for which undersigned has non-provisional application for patent in the United States of America
(9)	Identification	(9)	U.S. Application Number 12/520, 769
• /	for Filed Applications	, ,	filed June 22, 2009
the subj	ations and extensions of any such ect matter of any and all claims wh 1) Each of the undersigned ag ions thereof and also to execute s	non-provision ich may be of the contract to execute the contract of the contra	ute all papers in connection with the application and any continuing or divisional or reissue ignments in connection with such applications as the Assignee may deem necessary or
expedie	nt or essential to its full protection	and title in ar	nd to the invention hereby transferred.
concern	 Each of the undersigned a ing this application or continuation a and going forward with such inter 	or division	ecute all papers necessary in connection with any interference that may be declared or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining
			form all affirmative acts that may be necessary to obtain a grant of a valid United States
respecti	4) Each of the undersigned a	agrees to co ts thereof, a	ommunicate to the Assignee or representatives thereof any facts known to him or her and will, upon request, but without expense to him or her, testify in any legal proceedings
United S	Each of the undersigned he states resulting from said application	on or any di that he or s	zes and requests the Commissioner of Patents to issue any and all Letters Patents of the vision or divisions or continuing applications thereof to the said Assignee, as Assignee of the has full right to convey the entire interest herein assigned, and that he or she has not
	6) Each of the undersigned h	nereby grant	s the firm of Browdy and Neimark the power to insert on this assignment any further order to comply with the rules of the United States Patent Office for recordation of this
docume	7) This Assignment shall be b	inding upon administrat	the heirs, executors, administrators, and/or assigns of each of the undersigned, and shall ors, successors and/or assigns of the Assignee.
	In witness whereof, executed	by each of	the undersigned on the date opposite the name of the undersigned.
(1) Da	te Signatui	re of Invent	or Pascal PILUSO
(2) Da		re of Invent	or Mélusine FERRIER COGGE
(3) Da		re of Invent	Of Jean-Pierre BONNET
	An experience and exp		
Date	Witness		

ASSIGNMENT

(1-5)	Insert Name(s) of Inventors	(1)	Pascal PILUSO
		(2)	Mélusine FERRIER
		(3)	Jean-Pierre BONNET
		(4)	
			nsideration of the sum of ten dollars (\$10.00) and other good and valuable consideration each of the undersigned, the receipt of which is hereby acknowledged, each of the ed agrees to assign, and hereby does assign, and set over to
(6)	Insert Name of Assignee	(6)	COMMISSARIAT A L'ENERGIE ATOMICHE OF
(7)	Insert Address of Assignee	(7)	25, rue Leblanc, Immeuble "Le Ponant D"
			F-75015 Paris, France
		(6)	ECOLE NATIONALE SUPERIEURE DE CERAMIQUE INDUSTRIELLE
	•	(7)	47, avenue Albert Thomas
			F-87100 Limoges, France
(8)	Inport Mondification (1)		er designated as the Assignee) the entire right, title and interest owned by the undersigned ted States, its territories, dependencies and possessions, in the invention known as
(9)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(8)	REFRACTORY CERAMIC MATERIAL HAVING A HIGH SOLIDUS TEMPERATURE, ITS MANUFACTURING PROCESS AND STRUCTURAL PART INCORPORATING SAID MATERIAL
		-	ne undersigned has filed or will file a provisional application, or for which undersigned has non-provisional application for patent in the United States of America
(9)	ldentification for Filed Applications	(9)	U.S. Application Number 12/520, 769
	Tor i nea Applications		filed June 22, 2009
provision continua the subje	nal, and any original and reissu tions and extensions of any such a ect matter of any and all claims whi 1) Fach of the undersioned again	led Letters I non-provision ich may be o	A = 10 m M = - 10 m M
	t or essential to its full protection a	and title in an	of to the invention hereby transferred.
concernir evidence	and going forward with such interf	ference	ecute all papers necessary in connection with any interference that may be declared ir re-issue thereof and to cooperate with the Assignee in every way possible in obtaining
	the Assignee.	rees to perfo	orm all affirmative acts that may be necessary to obtain a grant of a valid United States
respecting regarding	the invention.		mmunicate to the Assignee or representatives thereof any facts known to him or her d will, upon request, but without expense to him or her, testify in any legal proceedings
executed.	interest, and hereby covenants that and will not execute, any agreeme	nat he or she ant in conflict	es and requests the Commissioner of Patents to issue any and all Letters Patents of the sion or divisions or continuing applications thereof to the said Assignee, as Assignee of a has full right to convey the entire interest herein assigned, and that he or she has not herewith.
identificati document	•		the firm of Browdy and Neimark the power to insert on this assignment any further der to comply with the rules of the United States Patent Office for recordation of this
inure to the			e heirs, executors, administrators, and/or assigns of each of the undersigned, and shall s, successors and/or assigns of the Assignee. e undersigned on the date opposite the name of the undersigned.
(1) Date		of Inventor	
(2) Date	101010	of Inventor	
(3) Date	48/06/09 Signature	of Inventor	Jean-Pierre BONNET
Date	Witness		

PATENT REEL: 023066 FRAME: 0316

RECORDED: 08/07/2009