PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DATA				
	Name	Execution Date		
Alexandra Chaumonnot		04/29/2010		
Stephanie Pega	06/30/2010			
Clement Sanchez		06/25/2010		
Cedric Boissiere		06/23/2010		
RECEIVING PARTY DATA				
Name:				
Street Address: 1 & 4 avenue de	Bois-Preau			
City: Rueil-Malmaison	Rueil-Malmaison Cedex			
State/Country: FRANCE				
Postal Code: 92852				
Property Type Number				
Application Number: 120	676759			
CORRESPONDENCE DATA				
Fax Number: (703)243-64	412			
Correspondence will be sent via US Ma				
Phone: 703243633				
Email: guernsey@mwzb.com				
Correspondent Name:Millen, White, Zelano & Branigan, P.C.Address Line 1:2200 Clarendon Blvd.				
Address Line 2: #1400	PET-2587			
Address Line 2:#1400Address Line 4:Arlington, V				

PATENT REEL: 024718 FRAME: 0750

PATENT REEL: 024718 FRAME: 0751

ASSIGNMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plured inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

AMORPHOUS SILICON-CONTAINING MATERIAL WITH HIERARCHICAL AND ORGANIZED POROSITY

and for which one or more of the following apply:

U.S. Provisional Application Serial No. was filed in the United States Patent and Trademark Office on.

A U.S. Non-Provisional

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application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

- Application Serial No. 12/676,759 for Letters Patent was filed in the U.S. Patent and Trademark Office on March 2, 2010.
 - as International Application No. PCT/FR2008/001199 was filed on, designating the United States,

AND WHEREAS

IFP	
1 & 4 avenue de Bois Preau	
RUEIL-MALMAISON CEDEX	92852
FRANCE	

hereinufter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged. ASSIGNOR hereby assigns, sells, and ransfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(a), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in wid to any and all U.S. (including provisional) or foreign priority attd/or convention rights or benefits according or to accrue with respect to the filing or securing of patents in the United States und/or any countries foreign directo concerning said inventions. SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign/divisions and cultimuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to suc for damages occurring before the assignment, with all the rights, powers, privileges and polyantiges in anywais arising from or appertaining therefo, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manuer to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to ussign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNER, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to property record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	A A NYENTUR'S SIGNATURE	LATE
Alexandra CHAUMONNOT	- March minn 2	29/04/10
202 FULL NAME OF SOLE OR FIAST NAMED INVEN (OR	INVENTOR'S SIGNATURE	UXTL
Stephanic PEGA		
200 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Clement SANCHEZ		
103 FULL NAME OF SOLD OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Cedrie BOISSIERE		

ASSIGNMENT

ATTY, DOCKET NO. PET-2587

WHEREAS the below number (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSICINOR invented a certain (improvement(s) relating to

AMORPHOUS SILICON-CONTAINING MATERIAL WITH INERARCHICAL AND OROANIZED POROSITY

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IFP |& 4 avenue de Bois Presu RUSIL-MALMAISON CEDEX 92852 FRANCE

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NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and logal representatives, the entire and exclusive right, title and interest in and to said invention and replication(a), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexanihations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/ar convention rights or benofits accruing or to accrue with respect to the filing or securing of patents in the United States und/or any commics foreign therefor concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, overeise, and enjoy said invention and application, including any and all renewals (U.S. and foreign), divisions mid continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reexannihations and extensions thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, (U.S. and foreign), divisions mid continuetions thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reexannihations and extensions thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, restantihations and extensions thereof, for and during the right to sue for damages occurring before the assignment, with all fits rights, powers, privileges and advantages in any wise assisted from or appertaining thereof. for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manuer to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, lifthe assignment had not been made.

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

101 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATP.
Alexandra CHAUMONNOT		
202 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTORS SIGNATURE	DATS
Stephania PEGA	Char of	30/06/2010
141 FULL HAMB OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S MUMAY UNB	DATE
Clement SANCHE2		
201 FULL NAME OF SOLE OF FIRST NAMED INVENTOR	INTENTOR'S SIGNATURE	DATE
Cedrio BOISSIERE		

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AND WHEREAS

IFP 1 & 4 avenue de Bois Preau RUEIL-MALMAISON CEDEX 92852 FRANCE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all cartier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

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AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and logal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorized and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives. In accordance herewith,

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 PULL NAME OF JOL! ON PIKS'S NAMED INVENTOR	INVENTOR'S SIGNATURE	PATE
Alexandra CHAUMONNOT		•
202 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Stephanic PEGA		
203 FULL NAME OF SOLE OR FIRST RAMED INVENTOR	INVENTIONS SIGNATORE	DATE
Clement SANCHEZ	Cufe	25/05/222
204 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR SOLONAL UN	DATE
Codric BOISSIERE	Easter	23/06/2010