Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450		SHEET U.S. DEPA	RTMENT OF COMMERCI Patent and Trademark Offic
Alexandria, VA 22313-1450		Attorney Docket No. <u>1354</u> 4	<u>41</u>
Please record the attached document,			·····
Total number of pages including cover sheer, attachments, and docum	nent: <u>7</u>		
1. A. Name of conveying parties: (1) Chloe THIEULEUX (7) Jean-Marie BASSE (2) Christophe COPERET (8) Tarun MAISHAL (3) Laurent VEYRE (9) Malika BOUALLE (4) Robert CORRIU (10) Iyad KARAME (5) Catherine REYE (11) Jean-Michel CAM (6) Ahmad MEHDI (12) Johan ALAUZUN B. Additional name(s) of conveying party(ies) attached? □ Yes ⊠ No	G TUS	2. A. Name and address of receiv CPE LYON FORMA CONTINUE ET RECHERCHE 43 BOULEVARD D NOVEMBRE 1918 69100 VILLEURBA	U 11
3. A. Nature of conveyance:		B. Additional name(s) & addre	ess(es) attached? Yes 🖾 No
Assignment D Merger		_	
Security Agreement Change of Name			
Other			
 B. Execution Date: (1 & 3): 9/9/10; (2): 9/12/10; (4 & 5): 9/13/10; (6, 7 & 12): 9/10/10; (8): 10/25/10; (9): 10/13/10; (10): 10/18/10; (11): 11/26/10 			
4. A. Patent Application No. <u>12/812,535</u>		B. Patent No.(s)	
Additional numbe	ers attached	Yes 🛛 No	
C. Title of Application: <u>HYBRID ORGANIC-INO</u> <u>CARBENE</u>	RGANIC	MATERIALS THAT CONT	AIN STABILIZED
 Name and address of party to whom correspondence concerning document should be mailed: 	6. To	al number of applications and patents in	nvolved: <u>1</u>
Name: William P. Berridge		Please charge Deposit Account No CFR 3.41) in the amount of \$ <u>40.00</u> .	
Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787		dit any overpayment or charge any unden ber 15-0461.	erpayment to deposit account
). Statement and signature. To the best of my knowledge and belief, the foregoing informati	ion is thus	nd correct and any attached complexed	tue com of the original
To the best of my knowledge and belief, the foregoing informati document.	ion is true a	Date: December 21, 2010	
William P. Berridge Registration No. 30,024 7094528.50 ger Registration No. 66,034			8 FRAME: 0792

ASSIGNMENT

(9) fasert Name of Assignce (10) Insert Address of Assignce (10) Insert Address of Assignce (10) Insert Address of Assignce (11) 43 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (hereinafter designated as the Assignce) and Assignce's heirs, Successors, assigns and legal represent the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisi continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as (14) Insert Identification such as Title, Case Number, or Foreign Application Number (Atomey Docket No. 135441 for which the undersigned has (have) executed an application for patent in the United States of A on even date herewith or (12) Insert Date of Signing of Application (12) on	٠		(1) Chloe THIEULEUX (7) Jean-Marie BASSET
of Inventor(s) (3)	(1-8)		(2) Christophe COPERET (8) Tarun MAISHAL
(5) Catherine REYE (11) Jean-Michel CAMUS (6) Ahmad MEHDI (12) Johan ALAUZUN In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer an over to (9) fusert Name of Assignee (9) CPE LYON FORMATION CONTINUE FT RECHERCHE (10) Jasert Address of Assignee (9) CPE LYON FORMATION CONTINUE FT RECHERCHE (10) 43 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCÉ (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal represent the entire right, title and interests for the United States of America as defined in 35 U.S.C. \$100, in the invention, and in all applications for patent including any and all provisional, non-provisional, ano-provisional,			(3) Laurent VEYRE (9) Malika BOUALLEG
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(9) fusert Name of Assignee (10) Insert Address of Assignee (10) Insert Address of Assignee (10) Insert Address of Assignee (11) Insert Address of Assignee (12) Insert Address of Assignee (13) Alternative (14) Insert (15) Insert (16) Assignee (17) Insert Address of Assignee (18) Assignee (19) CPE LYON FORMATION CONTINUE 57 RECHERCHE (10) 43 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (10) 43 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (10) H3 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (10) H3 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (10) H3 BOULEVARD DU 11 NOVEMBRE 1918. 69100 VILLEURBANNE, FRANCE (11) Insert International, confirmation, substitue and relieve applications(), and all provisional, diversic continuation, international, confirmation, substitue and relieve application (), and all Letters Paten, extensions, reissues and reexamination certificates (that may be granted on the invention known as a such as Title, Case Number, or Foreign Application Number (Attorney Docket			(6) Ahmad MEHDI (12) Johan ALAUZUN
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Signing of (12) on Application (13) Alternative (13) Alternative (13) U.S. application Serial Number 12/812,535			for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or
Identification for	(12)	Signing of	(12) on
Identification for	(13)		(13) U.S. application Serial Number <u>12/812,535</u>
filed applications filed July 12, 2010			filed July 12, 2010

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5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignce, as Assignce of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whercof, executed by the undersigned on the date(s) opposite the undersigned name(s).

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Date	03/03/2010	Inventor Signature	CLOC I HIEILEUX	(SEAL)
Date	09/09/2010	Inventor Signature	Courent VEYRE	(SEAL)
Date	10/04/2010	Inventor Signature	Jen Nei RAKSIA	(SEAL)
Date	12105/2010	Inventor Signature	Chult Capetter	(SEAL)
Date		Inventor Signature	1	(SEAL)
Date		Inventor Signature		(SEAL)
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Date		Inventor Signature		(SEAL)
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Date	······································	Inventor Signature		· (SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	PATENT	(SEAL)
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ASSIGNMENT

	(1) Chloe THIEULEUX (7) Jean-Marie BASSET	
insert Normala	(2) (8) (8) Tarun MAISHAL	
of Inventor(s)	(3) Laurent VEYRE (9) Malika BOUALLEG	
	(4) Robert CORRIU (10) Jyad KARAME	
	(5) Catherine REYE (11) Jean-Michel CAMUS	
	(6) Ahmad MEHDI (12) Johan ALAUZUN	
Insert Name of Assignee	to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and over to	
Insert Address of		
	invention, and in all applications for patent including any and all provisional, non-provisional, divisio continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent,	al,
Insert	continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as	
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	Name(s) of Inventor(s) Insert Name of Assignce	Insert (2) Christophe COPERET (8) Tarun MAISHAL Name(s) of Inventor(s) (3) Laurent VEYRE (9) Malika BOUALLEG (4) Robert CORRIU (10) lyad KARAME (5) Catherine REYE (11) Jean-Michel CAMUS (6) Ahmad MEHDI (12) Johan ALAUZUN In consideration of the sum of one dollar (\$1,00) and other good and valuable consideration plot each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and over to Insert Name of (9) CPE LYON FORMATION CONTINUE ET RECHERCHE

Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignce may deem necessary.
 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignce, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, FLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	10,09. 2010	Inventor Signature	JOHAN ALAUZUN	(SEAL)
Dute	10.09.2010	Inventor Signature	Abried NEHDI	(SEAL)
Date	13.09-2010	Inventor Signature	Corrie Robert	(SEAL)
Date	13.03.2010	Inventor Signature	Reyé Catherine	(SEAL)
Date		Inventor Signature	0	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
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Date	·	Inventor Signature		(SEAL)
Date	······	Inventor Signature		(SEAL)
Date		Inventor Signature	PATENT	(SEAL)
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ASSIGNMENT

		(1) <u>Chloc THIEULEUX</u>	(7) Jean-Marie BASSET
(1-8)	Insert Name(\$)	(2) Christophe COPERET	(8) Tarun MAISHAL
	of investor(s)	(3) Laurent VEYRE	(9) Malika BOUALLEG
		(4) Robert CORRIU	(10) Iyad KARAME
		(5) <u>Catherine REYE</u>	(11) Jean-Michel CAMUS
		(6) Ahmad MEHDI	(12) Johan ALAUZUN
(9) (10)	Insert Name of Assigned Insert Address of	to each of the undersigned, each undersi over to (9) CPE LYON FORMATION CON	dollar (\$1.00) and other good and valuable consideration paid gned agrees to assign, and hereby does assign, transfer and set ITINUE ET RECHERCHE
	Assignee	(10) 4 <u>3 BOULEVARD DU 11NOVE</u>	MERE 1918, 69100 VILLEURBANNE, FRANCE
		the entire right, litle and interest for the U investion, and in all applications for pater continuation, international, confirmation,	nd Assignce's heirs, successors, assigns and legal representatives, nited States of America as defined in 35 U.S.C. §100, in the at including any and all provisional, non-provisional, divisional, substitute and reissue application(s), and all Letters Patent, nificares that may be granted on the invention known as
(11)	Insert	(11) HYBRID ORGANIC-INORG CARBENE	ANIC MATERIALS THAT CONTAIN STABILIZED
	Identification such as Title, Case Number, or Forelgn Application Number	(Attomey Docket No 135441) coursed an application for patent in the United States of America
(12)	Insert Date of Signing of Application	(12) on	
(13)	Alternatīve	(13) U.S. application Serial Number	12/812.535
	Identification for filed applications	filed July 12, 2010	

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identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

	In witness whercof, grecuted by the under	signed on the date(s) o	pposite the undersigned name(s). • 0	
Date	25 Oct, 2010	Inventor Signature	provise the undersigned name(s). Maishel (s	EAL)
Date	1000000000000000000000000000000000000	Inventor Signature	(\$	EAL)
Dute	www.energia.com	Inventor Signature		EAL)
Date		Invenior Signature	(S	EAL)
Date		Inventor Signature	(S	EAL)
Date		Inventor Signature	(\$	EAL)
Date	* 27 % * 10 * 100 % * 1 * 100 % * 1 * 100 % *	Inventor Signature	(S	EAL)
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Date		Inventor Signature	(S	EAL)
Date		Inventor Signature	(S	EAL)
Date	******	Inventor Signature	(S	EAL)
Date		Inventor Signature	(S	EAL)

PATENT REEL: 025598 FRAME: 0795

OLIFF & BERRIDGE, PLC

ASSIGNMENT

`		(1) Chioe THIEULEUX		Jean-Marie BASSET		
(1-8)	Insert	(2) Christophe COPERET	(8)	Terun MAISHAL		
	Name(s) of loventor(s)	(3) Laurent VEYRE	(9)	Malika BOUALLEG		
		(4) Robert CORRIU	(10)	Iyad KARAME		
		(5) Catherine REYE	(11)	Jean-Michel CAMUS		
		(6) Ahmad MEHDI	(12)	Johan ALAUZUN		
(9)	Insert Name of	to each of the undersigned, each under over to	signed agrees to a	and other good and valuable consideration paid ssign, and hereby does assign, transfer and set		
(10)	Assignee Insert Address of					
	Assignee	(10) 43 BOULEVARD DU 11 NOVEMBRE 1918, 69100 VILLEURBANNE, FRANCE				
		the entire right, litle and interest for the invention, and in all applications for pa continuation, international, confirmatio extensions, reissues and reexamination	United States of A tent including any n, substitute and re- certificates that ma	its, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, eissue application(s), and all Letters Patent, ay be granted on the invention known as		
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	Identification such as Title, Case Number, or Foreign		· · ·			
	Application Number	(Attorney Docket No. 135441		,, , ,, , ,, , ,, , ,, , ,, , ,, , ,, , , , , , , , , , , , , , , , , , , ,		
		for which the undersigned has (have) on even date herewith or	executed an applic	ation for patent in the United States of America		
(12)	Insert Date of Signing of Application	(12) on				
(13)	Alternative	(13) U.S. application Serial Number	r <u>12/812,535</u>			
	Identification for filed applications	filed <u>July 12, 2010</u>				

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	13 octobre 2010	Inventor Signature	Jolika BOUALLEG	(SEAL)
Date		Inventor Signature	•	(SÉAL)
Date		Inventor Signature	·	(SEAL)
Date		inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date	- Wanney BAB ALMITTER CONTRACTOR	Inventor Signature		(SÉAL)
Date		Inventor Signature		(SEAL)
Date	And a second	Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date	fl	Inventor Signature		(SEAL)
Date		Inventor Signature	PATENT	(SEAL)
Date		Inventor Signature		(079)6

ASSIGNMENT

•		(1) Chlor THIEULEUX (7) Jean-Marie BASSET
(1-8)	Insert	(2) Christophe COPERET (8) Terun MAISHAL
	Name(s) of Inventor(s)	(3) Laurent VEYRE (9) Malika BOUALLEG
		(4) Robert CORRIU (10) Jyad KARAME
		(5) Catherine REYE (11) Jean-Michel CAMUS
		(6) Ahmad MEHDI (12) Johan ALAUZUN
		In consideration of the sum of one dollar (\$1,00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to
(9)	Insert Name of Assignee	(9) CPE LYON FORMATION CONTINUE ET RECHERCHE
(10)	Insert Address of Assignce	(10) 43 BOULEVARD DU 11 NOVEMBRE 1918, 69100 VILLEURBANNE, FRANCE
		(hereinafter designated as the Assignce) and Assignce's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and recommination certificates that may be granted on the invention known as
(11)	Insert	(11) HYBRID ORGANIC-INORGANIC MATERIALS THAT CONTAIN STABILIZED CARBENE
	Identification such as Title, Case Number, or Foreign Application Number	(Attorney Docket No. <u>135441</u>) for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or
(12)	Insert Date of Signing of Application	(12) on
(13)	Allorastive	(13) U.S. application Serial Number 12/812.535
	Identification for filed applications	filed <u>July 12, 2010</u>

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

Person applications for the invention, and any patent(s) issuing infection, and also to execute separate assignments in control of which stand applications and patents as the Assignee may deem necessary.
 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any set which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be accessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States parent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters
 Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further

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in witness whereof,	executed b	y the undersigned	on the date(s)) opposite the	undersigned	name(s).

			1/// /		
Date	18 october 2010	Inventor Signatore	<u>KARAHF'</u>	Iyad_	(SEAL)
Date		Inventor Signature	**************************************		(SEAL)
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Date		Inventor Signature			(SEAL)
Date		Inventor Signature			(SEAL)
Date		Inventor Signature	LAULANANAN, PERSONANANANANANANANANANANANANANANANANANANA		(SEAL)
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Date		Invenior Signature			(SEAL)
Date		Inventor Signature	*		(SEAL)

PATENT REEL: 025598 FRAME: 0797

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ASSIGNMENT

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(1-8)	Insert Name(s) of Inventor(s)	(2) Christophe COPERET (8) Tarun MAISHAL			
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(10)	Insert Address of Assignee	(10) 43 BOULEVARD DU 11 NOVEMBRE 1918, 69100 VILLEURBANNE, FRANCE			
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as			
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		for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or			
(12)	Insert Date of Signing of Application	(12) on			
(13)	Alternative Identification for filed applications	(13) U.S. application Serial Number 12/812,535			
		filed July 12, 2010			

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Inventor Signature		_ (SEAL)
Date		Inventor Signature	1	(SEAL)
Date		Inventor Signature		_ (SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		_ (SEAL)
Date		Investor Signature		_ (SEAL)
Date		Inventor Signature		(\$EAL)
Date		Inventor Signature		_ (SEAL)
Date		Inventor Signature		- (SEAL)
Date	M. 26. 2010	Inventor Signature	CAMUS J-Hickel	(SEAL)
D≖te	<u>M.10 1010</u>	Inventor Signature	CAMUS J-Hickel	- (SEAL)
Date		Inventor Signature		(SEAL)

PATENT REEL: 025598 FRAME: 0798

RECORDED: 12/21/2010