A Di P.	ail Stop: signment Recordation Services rector of the U.S. Patent and Trademark Office O. Box 1450	RECORDATION FORM PATENTS		U.S. DEPARTMENT OF COMMERC Patent and Trademark Offi
A	exandria, VA 22313-1450		Atto	orney Docket No. <u>156284</u>
	ease record the attached document. tal number of pages including cover she	ect, attaclunents, and docume	=nt: <u>4</u>	
1.	A. Name of conveying parties:		2. A. Name and	address of receiving party:
	<ol> <li>Cyril LINNOT</li> <li>Lionel MOITRIER</li> <li>Yves Marcel Leon BOUSS</li> <li>Olivier CITTI</li> <li>Richard AVEDIKIAN</li> <li>Additional name(s) of conveying</li> </ol>		SAINT-GOBA RECHEF 18 AVENUE I	AIN CENTRE DE RCHES ET D'ETUDES EUROPEEN D'ALSACE LES MIROIRS RBEVOIE, FRANCE
3.	A. Nature of conveyance:		B. Additional	I name(s) & address(es) attached? □Yes ⊠ No
	Assignment	Merger		
	Sccurity Agreement	Change of Name		
	B. Execution Date: <u>1. February</u> <u>2-5. Januar</u>			
4.	A. Patent Application No. <u>13/811.</u>	552	B. Patent No.	(8)
		Additional numbers attach	ed? 🔲 Yes 🖾 No	
	C. Title of Application: <u>CHRO</u>	MIUM OXIDE POWDE	ER	
5.	Name and address of party to whom c concerning document should be maile		6. Total number of	applications and patents involved: $\underline{1}$
	Name: <u>William P. Bçrridge</u>			ge Deposit Account No. 15-0461 the CFR 3.41) in the amount of \$40.00.
	Address: OLIFF & BERRIDGE, P.O. Box 320850 Alexandria, VA 2232( Phone Number: 703-83 Fax Number: 703-836	)-4850 6-6400		payment or charge any underpayment to number 15-0461.
9.	original document.	20,024		d any attached copy is a true copy of the larch 14, 2013

700502307

## PATENT REEL: 030037 FRAME: 0384

	<u>ر</u>		ASSIGNMENT		
	Insert	(1)	Cyril LINNOT	(2)	Lionel MOITRIER
(1-8)	Legal Name(s)	(3)	Yves Marcel Leon BOUSSANT ROUX	(4)	Olivier CITTI
	of Inventor(s)	(5)	Richard AVEDIKIAN	(6)	
		(7)		(8)	
9)	Insert Name of Assignce	the und	sideration of the sum of one dollar (\$1.00) dersigned, the receipt and sufficiency of wi , and hereby does assign, transfer and set of SAINT-GOBAIN CENTRE DE RECHE	ich are er to	er good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to ET D'ETUDES EUROPEEN
10)	Insert Address of Assignee	(10)	18 avenue D'Alsace Les Miroirs, F-924	)0 Cou	bevoie, FRANCE
		(hereu	after designated as the Assignee) and Assig	mee's h	cirs, successors, assigns and legal representatives.
		the ent inventi continu	ire right, title and interest for the United St ion, and in all applications for patent includ	ites of / ing any ipplicat	eirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissues invention known as
11)	Insert Identification such as Title, Case Number, or Foreign	the ent inventi continu	ire right, title and interest for the United St ion, and in all applications for patent includuation, international, substitute and reissue	ites of / ing any ipplicat	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissures
11)	such as Title, Case	the ent inventi continu and res (11)	ire right, title and interest for the United St ion, and in all applications for patent includ lation, international, substitute and reissue examination certificates that may be granted	ntes of / ing any applicat l on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissures
11)	such as Title, Case Number, or Foreign	the ent inventi continu and res (11) (Attorn	ire right, title and interest for the United St ion, and in all applications for patent includ lation, international, substitute and reissue examination certificates that may be granted CHROMIUM OXIDE POWDER	ntes of / ing any applicat l on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, don(s), and all Letters Patent, extensions, reissues invention known as
·	such as Title, Case Number, or Foreign Application Number	the ent inventi continu and res (11) (Attorn	ire right, title and interest for the United St ion, and in all applications for patent includ lation, international, substitute and reissue examination certificates that may be granted CHROMIUM OXIDE POWDER	ntes of / ing any applicat l on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, don(s), and all Letters Patent, extensions, reissues invention known as

2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

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 patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and 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(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's 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 whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	2013/04/01	Inventor Signature	Gril lind	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date	······································	Inventor Signature		(SEAL)
Date	······································	Inventor Signature	• • • • • • • • • • • • • • • • • • •	(SEAL)
Date		Inventor Signature	Manual, S., I. S.	(SEAL)
Date		Inventor Signature		(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

2013/02/01

Sylviane Buildo Benoch Grent PATENT

REEL: 030037 FRAME: 0385

÷ ·	5		ASSIGNMENT			
	Insert	(1)	Cyril LINNOT	(2)	Lionel MOITRIER	
(1-8)	Legal Name(s)	(3)	Yves Marcel Leon BOUSSANT ROUX	(4)	Olivier CITTI	
	of Inventor(s)	(5)	Richard AVEDIKIAN	(6)		
		(7)	*	(8)		
(0)	Insert Name of	the un assign,	dersigned, the receipt and sufficiency of whit , and hereby does assign, transfer and set over	ch are l r to	r good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to	
(9)	Assignce Insert Address of	(9) SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN				
(10)	Assignee	(10)	18 avenue D'Alsace Les Miroirs, F-9240	0 Cour	bevoie, FRANCE	
		inventi contini	fre right, title and interest for the United Stal ion, and in all applications for patent including	tes of A ng any pplicat	eirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as	
(11)	Insert Identification such as Title, Case Number, or Forcign	inventi contini	ire right, title and interest for the United Stal ion, and in all applications for patent includin unifon, international, substitute and reissue a	tes of A ng any pplicat	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues	
(11)	such as Title, Case	inventi contim and ree (11)	ire right, title and interest for the United Stal ion, and in all applications for patent includin uation, international, substitute and reissue a examination certificates that may be granted	es of A ng any pplicat on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues	
(11) (12)	such as Title, Case Number, or Foreign	inventi continu and ree (11) (Atton	ire right, title and interest for the United Stal ion, and in all applications for patent includin unition, international, substitute and reissue a examination certificates that may be granted CHROMIUM OXIDE POWDER	es of A ng any pplicat on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as	
	such as Title, Case Number, or Foreign Application Number	inventi continu and ree (11) (Atton	ire right, title and interest for the United Stal ion, and in all applications for patent includin unition, international, substitute and reissue a examination certificates that may be granted CHROMIUM OXIDE POWDER	es of A ng any pplicat on the	America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as	

2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignce in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

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 patents resulting from said application(s) to the said Assignee. as Assignee of the entire interest, and 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(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's 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			Inventor Signature		(SEAL)
Date	2013 01	28	Investor Signature		(SEAL)
Date	2015 01	28	Inventor Signature	- Dia	(SEAL)
Date	to construct the second se		Inventor Signature		(\$£AL)
Date	2013 01	28	Inventor Signature	totas.	(SEAL)
Date	\		Inventor Signature	<u> </u>	(SEAL)
Date			Inventor Signature		(\$EAL)
Date			Inventor Signature	N 100 Y MININ REPORTED IN THE REPORT OF THE	(\$EAL)
neither,	This assignment : then it should be s	should preferably b igned before at lea	e signed before: (a) a Notary Public if st two witnesses who also sign here:	within the U.S.A. (b) a U.S. Consul if o	
	2213 01	28	fei	anop Margun	while

85 10 22.05

MARGUIN PATENT

REEL: 030037 FRAME: 0386

.

\_\_\_\_\_,

ф.,

	<b>-</b> ,		ASSIGNMENT	•	
<i>(</i> <b>1 0</b> )	Insert	(1)	Cyril LINNOT	_ (2)	Lionel MOITRIER
(1-8)	Legat Name(s)	(3)	Yvcs Marcel Leon BOUSSANT ROUX	_ (4)	Olivier CITTI
	of Inventor(s)	(5)	Richard AVEDIKIAN	_ (6)	
		(7)		_ <sup>(8)</sup>	
		the un	sideration of the sum of one dollar (\$1.00) dersigned, the receipt and sufficiency of wi , and hereby does assign, transfer and set o	ich are l	ar good and valuable consideration paid to each a hereby acknowledged, each undersigned agrees t
<b>)</b> )	Insert Name of Assignee	(9)	SAINT-GOBAIN CENTRE DE RECHE	RCHĘŞ	ET D'ETUDES EUROPEEN
.0)	Insert Address of Assignee	(10)	18 avenue D'Alsace Les Miroirs, F-924	0 Cour	bevoie, FRANCE
		the ent invent contin	fire right, title and interest for the United St ion, and in all applications for patent includ	ites of A ing any ipplicat	cirs, successors, assigns and legal representative, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissue invention known as
1)	Insert Identification such as Title, Case Number, or Foreign	(11)	CHRÔMIUM OXIDE POWDER		
	Application Number	(Attor	ney Docket No. <u>156284</u>	), 1	filed on even date herewith or as
Z)	Alternative	(12)	U.S. Application Number 13/811,552		
	Identification for		··· · ·		۰۱
	filed applications	filed	March 14, 2013	-	
nd goin laims or	concerning any application g forward with such interfe 3) Each undersigned agre r provisions of the Internati 4) Each undersigned agre	es to exect to or patent trence or patent tes to execu tonal Conv es to perfo	ne all papers necessary in connection with for the invention and to cooperate with th ost-grant proceeding. Ine all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece	any int Assign any act or sim	er may deem necessary. erference or post-grant proceeding which may see in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or
id goin aims or examin sulting itire int is assig entifica cordati	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and t goment is binding on Assign 6) Each undersigned here ution that may be necessary on of this document.	es to exect a or patent prence or pa- conal Conv es to exect onal Conv es to perfo- ited States orizes and the said A that he or s nor and As by grants t or desirab	tte all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. net all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLIFF & BERRIDGE, FLC the p le in order to comply with the rules of the	any int Assign or sim ssary to tent and any agr ar repres ower to United	erference or post-grant proceeding which may see in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for
d goin aims or examin sulting tire int is assig entifica cordatio	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and t goment is binding on Assign 6) Each undersigned here ution that may be necessary on of this document.	es to exect a or patent prence or pa- conal Conv es to exect onal Conv es to perfo- ited States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with th ost-grant proceeding. Ine all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignce. requests the Commissioner of the U.S. Pa- ssignce, as Assignce of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLIFF & BEREDORE, FLC the r	any int Assign or sim ssary to tent and any agr ar repres ower to United	erference or post-grant proceeding which may see in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey t reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for
d goin aims or examin sulting tire int is assig entifica cordation	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and t goment is binding on Assign 6) Each undersigned here ution that may be necessary on of this document.	es to exect a or patent prence or pa- ces to exect conal Conv es to perfo- ited Stares orizes and the said A that he or s nor and As by grants t or desirab	the all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. The all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignce. requests the Commissioner of the U.S. Pa ssignee, as Assignce of the entire interest he has not executed, and will not execute signor's heirs, successors, assigns and leg he firm of OLIFF & BERRIDGE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the	any int Assign or sim ssary to tent and and co- any agr any agr ower to United	erference or post-grant proceeding which may see in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey t reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for
d goin aims or examin sulting tire inf tis assig entifica cordatio	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Um 5) Each undersigned auth from said application(s) to terest herein assigned, and f goment is binding on Assign 6) Each undersigned here alton that may be necessary on of this document. In witness whereof, execu-	es to exect a or patent prence or pa- conal Conv es to exect onal Conv es to perfo- ited Stares orizes and that he or s nor and As by grants t or desirab	Ite all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. Ite all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute signor's heirs, successors, assigns and leg he firm of OLIFF & BERRIDGE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature	any int Assign or sim stary to and co- any agr l repres ower to United	erference or post-grant proceeding which may nee in every way possible in obtaining evidence which may be nacessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s).
d goin, aims or examin sulting tire int is assig entifica- cordati	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree hation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and 1 joment is binding on Assig 6) Each undersigned here ation that may be necessary on of this document. In witness whereof, execu	es to exect a or patent prence or patent conal Conv es to exect onal Conv es to perfo ited States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. ne all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute signor's heirs, successors, assigns and leg he firm of OLIFF & BERRIDGE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature	any int Assign any act or sim ssary to tent and and co any agr al repres ower to United	terference or post-grant proceeding which may nee in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s). (SEAL) (SEAL)
d goin, ims or examin sulting tire int s assig multing inte int s assig multing tire int te te te	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to ierest herein assigned, and 1 noment is binding on Assign 6) Each undersigned here thon that may be necessary on of this document. In witness whereof, execu	es to exect a or patent prence or patent conal Conv es to exect onal Conv es to perfo ited States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. ne all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLIFF & BERRIDGE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature	any int Assign any act or sim ssary to tent and any agr al repres ower to United united	terference or post-grant proceeding which may nee in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissne or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s). (SEAL) (SEAL)
d goin, aims or examin sulting tire int is assig ortifica- cordati ite ite ite	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree hation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and 1 joment is binding on Assig 6) Each undersigned here ation that may be necessary on of this document. In witness whereof, execu	es to exect a or patent prence or patent conal Conv es to exect onal Conv es to perfo ited States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. ne all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLIFF & BERRICCE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature	any int Assign any act - y or sim ssary to and co- any agr 1 repres ower to United	erference or post-grant proceeding which may nee in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. • obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s). (SEAL) (SEAL) (SEAL) (SEAL)
al goin, aims or examin sulting nire int is assig entifica- cordation ate ate ate ate	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to terest herein assigned, and 1 ment is binding on Assign 6) Each undersigned here thon that may be necessary on of this document. In witness whereof, execu	es to exect a or patent prence or patent consiler or solution inted States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. ne all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLNFF & BERRINGE, FAC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature	any int Assign any act - y or sim ssary to and co- any agr al repres- ower to United	erference or post-grant proceeding which may nee in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey to reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s). (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
nd goin laims or eexamin sulting ntire int lis assig lentifica cordati	concerning any application g forward with such interfe 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth from said application(s) to ierest herein assigned, and 1 noment is binding on Assign 6) Each undersigned here thon that may be necessary on of this document. In witness whereof, execu	es to exect a or patent prence or patent consiler or solution inted States orizes and the said A that he or s nor and As by grants t or desirab	ne all papers necessary in connection with for the invention and to cooperate with the ost-grant proceeding. ne all papers and documents and perform ention for Protection of Industrial Propert rm all affirmative acts which may be nece patent to the Assignee. requests the Commissioner of the U.S. Pa- ssignee, as Assignee of the entire interest he has not executed, and will not execute, signor's heirs, successors, assigns and leg he firm of OLEFF & BERERICE, FLC the p le in order to comply with the rules of the cundersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature	any int Assign any act - y or sim ssary to and co- any agr 1 repres ower to United under	erference or post-grant proceeding which may see in every way possible in obtaining evidence which may be necessary in connection with ilar agreements. • obtain, maintain or confirm by reissue or I Trademark Office to issue any and all patents venants that he or she has full right to convey t reement(s) in conflict herewith, and agrees that sentatives. insert on this assignment any further States Patent and Trademark Office for signed name(s). (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)

James 28th 2013

David LECHEVALIER

PATENT REEL: 030037 FRAME: 0387

RECORDED: 03/14/2013