

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	12

CONVEYING PARTY DATA

Name	Execution Date
RODNEY FOO	07/13/2018
DAVID LYONS	07/27/2017
IAN SARATOVSKY	07/27/2018

RECEIVING PARTY DATA

Name:	S. A. LHOIST RECHERCHE ET DEVELOPPEMENT
Street Address:	28 RUE CHARLES DUBOIS
City:	OTTIGNIES-LOUVAIN-LA-NEUVE
State/Country:	BELGIUM
Postal Code:	B-1342

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16032152

CORRESPONDENCE DATA**Fax Number:** (817)878-0501*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 817-878-0500**Email:** shorner@whitakerchalk.com**Correspondent Name:** WHITAKER CHALK SWINDLE & SCHWARTZ PLLC**Address Line 1:** 301 COMMERCE STREET**Address Line 2:** SUITE 3500**Address Line 4:** FORT WORTH, TEXAS 76102-4186

ATTORNEY DOCKET NUMBER:	22080.062
NAME OF SUBMITTER:	CHARLES D. GUNTER, JR.
SIGNATURE:	/CHARLES D. GUNTER, JR/
DATE SIGNED:	08/01/2018

Total Attachments: 6

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PATENT ASSIGNMENT

WHEREAS, I, **Rodney Foo**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: **Sorbent Composition for an Electrostatic Precipitator**
U.S. Application No.: **16/032,152**
Filing Date: **July 11, 2018**

WHEREAS, **S.A. Lhoist Recherche et Developpement** (hereinafter referred to as "Assignee"), a corporation, with an address of **rue Charles Dubois 28, 1342 Ottignies-Louvain-la-Neuve, Belgium**, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes

known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I hereunto set my hand this 13th day of July, 20 18.

Inventor Signature: [Signature]

Inventor Name: Rodney Foo

Inventor Address: 14 Lincoln Way, Rayleigh SS6 9QN, United Kingdom

The undersigned hereby grants the firm of Whitaker Chalk Swindle & Schwartz, PLLC (Charles D. Gunter, Jr., Reg. No. 29,386) 301 Commerce Street, Suite 3500, Fort Worth, Texas 76102-4186, USA, the power to insert on this assignment any further identification which 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.

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the inventors(s) should be witnessed by at least two witnesses who sign here.)

Witness: [Signature] Alexandre
Theodorou

Date: 13th July 2018

Witness: [Signature] Ulrike PETER

Date: 13/07/2018

PATENT ASSIGNMENT

WHEREAS, I, **David Lyons**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: **Sorbent Composition for an Electrostatic Precipitator**
U.S. Application No.: **16/032,152**
Filing Date: **July 11, 2018**

WHEREAS, **S.A. Lhoist Recherche et Developpement** (hereinafter referred to as "Assignee"), a corporation, with an address of **rue Charles Dubois 28, 1342 Ottignies-Louvain-la-Neuve, Belgium**, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I hereunto set my hand this 27th day of July, 2018.

Inventor Signature: 

Inventor Name: David Lyons

Inventor Address: 8241 Whistling Duck Drive, Fort Worth, Texas 76118
United States of America

NOTARIZATION
(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. § 261).

Executed this 27th day of July, 2018, at

State of Texas

County of Dallas

Before me on this day personally appeared David Lyons,
who acknowledged the foregoing instrument to be a free act and deed and also represented that he
or she is authorized to execute same.

Given under my hand and seal of office this 27th day of July, 2018.




Notary Public's Signature

PATENT ASSIGNMENT

WHEREAS, I, Ian Saratovsky, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: Sorbent Composition for an Electrostatic Precipitator
U.S. Application No.: 16/032,152
Filing Date: July 11, 2018

WHEREAS, S.A. Lhoist Recherche et Developpement (hereinafter referred to as "Assignee"), a corporation, with an address of rue Charles Dubois 28, 1342 Ottignies-Louvain-la-Neuve, Belgium, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I hereunto set my hand this 27th day of July, 2018.

Inventor Signature: *[Handwritten Signature]*

Inventor Name: Jan Saratovsky

Inventor Address: 1900 Old Briar Road, Highland Park, Illinois 60035
United States of America

NOTARIZATION
(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. § 261).

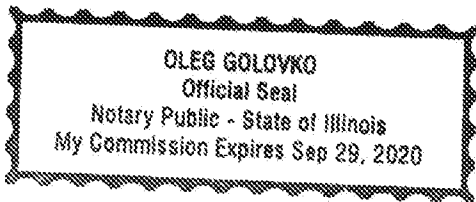
Executed this 27th day of July, 2018, at

State of ILLINOIS

County of LAKE

Before me on this day personally appeared Jan Saratovsky who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute same.

Given under my hand and seal of office this 27th day of July, 2018.



[Handwritten Signature]
Notary Public's Signature