505024345 07/27/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5071094

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAD TIMOTHY METZ	07/18/2018
HOWARD BRAXTON FITZGERALD	07/20/2018
GREGORY M. FILIPPELLI	07/18/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15361618

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

WHITAKER CHALK SWINDLE & SCHWARTZ PLLC **Correspondent Name:**

Address Line 1: 301 COMMERCE STREET

Address Line 2: **SUITE 3500**

Address Line 4: **FORT WORTH, TEXAS 76102-4186**

ATTORNEY DOCKET NUMBER:	22080.053
NAME OF SUBMITTER:	CHARLES D. GUNTER, JR.
SIGNATURE:	/CHARLES D. GUNTER, JR/
DATE SIGNED:	07/27/2018

Total Attachments: 6

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PATENT REEL: 046486 FRAME: 0011

PATENT ASSIGNMENT

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

Title of Application: Process for Pneumatically Conveying a Powdery Material

U.S. Application No.: 15/361,618

Filing Date: November 28, 2016

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.

PATENT ASSIGNMENT - 22080.053

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PATENT REEL: 046486 FRAME: 0012

IN TESTIMONY WHEREOF, I hereunto set my hand this $\frac{18}{12}$ day of $\frac{1}{3}$, $\frac{1}{20}$, $\frac{1}{20}$.
Inventor Signature:CM_Ti-#
Inventor Name: Chad Timothy Metz
Inventor Address: 6521 Hightower Drive, Watauga, Texas 76148 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 18th day of July , 2018, at
State of Texas
County of Dallas
Before me on this day personally appeared (\widehard \wide
Given under my hand and seal of office this $\frac{18^{+1}}{18^{+1}}$ day of $\frac{3018}{18^{+1}}$.
KYLE BENJAMIN RUSSELL Notary Public, State of Texas A DE Comm. Expires 03-15-2021 Notary Public's Signature Notary ID 125231925

PATENT ASSIGNMENT - 22080.053

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PATENT ASSIGNMENT

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

Title of Application: Process for Pneumatically Conveying a Powdery Material

U.S. Application No.: 15/361,618

Filing Date: November 28, 2016

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.

PAGE 1 OF 2

IN TESTIMONY WHEREOF, I hereunto set my kand this Zotti day of
Inventor Name: Howard Braxton Fitzgerald
Inventor Address: 8840 Waterside Drive, Ball Ground, Georgia 30107 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 80 day of JULL , 801%, at State of Acordia County of Date 201
Before me on this day personally appeared WOOL BROXEN FHICE OF 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 20 day of 300 ago of 300 ago.
Ochla allow Honor Public's Signature

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PATENT ASSIGNMENT

WHEREAS, I, Gregory M. Filippelli, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: Process for Pneumatically Conveying a Powdery Material

U.S. Application No.: 15/361,618

Filing Date: November 28, 2016

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.

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PATENT REEL: 046486 FRAME: 0017

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RECORDED: 07/27/2018