

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6877890

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HERITAGE RESEARCH GROUP	08/18/2021

RECEIVING PARTY DATA

Name:	HERITAGE RESEARCH GROUP, LLC
Street Address:	6320 INTECH WAY
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46278

PROPERTY NUMBERS Total: 57

Property Type	Number
Application Number:	62844210
Application Number:	62693130
Application Number:	16454290
Application Number:	62871261
Application Number:	62752682
Application Number:	17301987
Application Number:	62749917
Application Number:	17302088
Application Number:	62885866
Application Number:	62469846
Application Number:	15916753
Application Number:	16988958
Application Number:	62130293
Application Number:	62302335
Application Number:	15064819
Application Number:	15401995
Application Number:	15646912
Application Number:	16103466
Application Number:	16276214
Application Number:	16453550

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Property Type	Number
Application Number:	16549776
Application Number:	17130128
Application Number:	61042143
Application Number:	12384483
Application Number:	12048576
Application Number:	12048597
Application Number:	60938861
Application Number:	12122979
Application Number:	61234793
Application Number:	12856807
Application Number:	61158059
Application Number:	12718058
Application Number:	61500396
Application Number:	13531838
Application Number:	61368069
Application Number:	13191002
Application Number:	61368060
Application Number:	13191019
Application Number:	12048536
Application Number:	12048614
Application Number:	62349875
Application Number:	15622604
Application Number:	16105093
Application Number:	16283114
Application Number:	16845374
Application Number:	17303235
Application Number:	61014461
Application Number:	12336701
Application Number:	63054940
Application Number:	63109604
Application Number:	62130918
Application Number:	62302338
Application Number:	15064814
Application Number:	15401990
Application Number:	16456611
Application Number:	16577920
Application Number:	15787427

CORRESPONDENCE DATA**Fax Number:** (317)637-7561

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: 3176343456**Email:** DOCKETDEPT@USPATENT.COM, LEYSTER@USPATENT.COM**Correspondent Name:** MATTHEW M. GARDLIK**Address Line 1:** WOODARD, EMHARDT, HENRY, REEVES & WAGNER, LLP**Address Line 2:** 111 MONUMENT CIRCLE, SUITE 3700**Address Line 4:** INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	86012-1
NAME OF SUBMITTER:	LAURIE A. EYSTER
SIGNATURE:	/Laurie A. Eyster/
DATE SIGNED:	08/23/2021

Total Attachments: 15

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ASSIGNMENT

1. DEFINITIONS

1.1 **ASSIGNOR** means Heritage Research Group of Indiana as well as its successors and/or assigns.

1.2 **ASSIGNEE** means Heritage Research Group, LLC of Indiana having a principal place of business at 6320 Intech Way, Indianapolis, IN 46278 as well as its successors and/or assigns.

1.3 **PATENTS** means the one or more patents and/or patent applications identified in Appendix A.

1.4 **INVENTIONS** means concepts, ideas, discoveries, solutions to problems, improvements, processes, machines, articles of manufacture, and/or anything else which is disclosed, claimed, illustrated, and/or otherwise described in the PATENTS and/or any invention disclosure material associated with the PATENTS.

1.5 **RELATED PATENT CASES** means any and all patent applications, patents, and/or patent proceedings:

a. claiming and/or disclosing the INVENTIONS, such as (but not limited to) statutory invention registrations, petty, provisional, non-provisional, utility, plant, design, and/or international applications;

b. claiming directly or indirectly priority to and/or from the PATENTS, under domestic laws, the Paris Convention, Patent Cooperation Treaty (PCT), and/or otherwise, such as (but not limited to) divisional, continuation, continuation-in-part, substitute, international, national phase, and/or regional phase applications; and/or

c. subject to, part of, resulting from, and/or otherwise associated with any and all pre-grant, post grant, and/or other patent related proceedings either directly or indirectly related to the INVENTIONS and/or the PATENTS, such as (but not limited to) opposition, protest, reissue, extensions, reexamination, interference, and/or cancellation proceedings.

1.6 **RELATED INTELLECTUAL PROPERTY** includes, but is not limited to, copyrights, moral rights, trademarks, service marks, trade dress, good will, trade secrets, mask works, and know-how developed and/or related to the INVENTIONS, PATENTS, and/or RELATED PATENT CASES.

1.7 **TRANSFERRED RIGHTS** means any and all rights, title, and/or interests assigned or otherwise transferred in this assignment, including, but not limited to, the INVENTIONS, PATENTS, RELATED PATENT CASES, and RELATED INTELLECTUAL PROPERTY.

1.8 **GEOGRAPHIC SCOPE** means worldwide including, but not limited to, member nations of the PCT and non-member nations of the PCT as well as their territories.

1.9 **EFFECTIVE DATE** means June 1, 2021.

2. ASSIGNMENT OF RIGHTS

2.1 Consideration. The ASSIGNOR hereby acknowledges receipt of good, valuable, and sufficient consideration from the ASSIGNEE for this assignment.

ASSIGNMENT

2.2 Intellectual Property. The ASSIGNOR hereby assigns to the ASSIGNEE all its rights, title, and interest in and/or to the INVENTIONS, PATENTS, RELATED PATENT CASES, and RELATED INTELLECTUAL PROPERTY.

2.4 Future Improvements. The ASSIGNOR hereby assigns, and agrees this assignment hereby automatically assigns in the future, to the ASSIGNEE all right, title, and interest in future improvements in and/or to the INVENTIONS, PATENTS, RELATED PATENT CASES, and RELATED INTELLECTUAL PROPERTY.

2.5 Right to Claim Priority. The ASSIGNOR hereby assigns to the ASSIGNEE all right, title, and interest to claim priority to and/or from the PATENTS and the RELATED PATENT CASES.

2.6 Infringement and Misappropriation. The ASSIGNOR hereby assigns to the ASSIGNEE all past, present and future causes of action for infringement and/or misappropriation of the TRANSFERRED RIGHTS, whether the infringement and/or misappropriation is committed and/or the cause of action comes into existence before, during, or after the EFFECTIVE DATE.

2.7 Remedies. The ASSIGNOR hereby assigns to the ASSIGNEE all past, present and future remedies for infringement and/or misappropriation of the TRANSFERRED RIGHTS, including damages, royalties, and profits.

2.8 Scope. All assignments and/or other transfers of rights and/or title, both legal and equitable, made herein are to the full extent of the GEOGRAPHIC SCOPE such that no right, title, and interest remain with the ASSIGNOR.

3. FUTURE PERFORMANCE

3.1 Communicate Information. The ASSIGNOR hereby agrees, through its officers and employees, to and will communicate all facts and/or information known to the ASSIGNOR with respect to the TRANSFERRED RIGHTS to the ASSIGNEE and/or its legal representatives.

3.2 Sign Documents. The ASSIGNOR hereby agrees, through its officers and employees, to and will sign and return any and all documents that ASSIGNEE desired to be signed that are directly or indirectly related to the TRANSFERRED RIGHTS. These documents can include, but are not limited to, assignments, oaths, declarations, affidavits, and powers of attorney.

3.3 Legal Proceedings. The ASSIGNOR hereby agrees, through its officers and employees, to and will truthfully testify and/or participate in any legal and/or quasi-legal proceedings regarding any facts and/or information known to the ASSIGNOR related to the TRANSFERRED RIGHTS at the request of the ASSIGNEE and/or its legal representatives

3.4 Generally Protect Assignee's Rights. The ASSIGNOR hereby agrees, through its officers and employees, to and will do everything reasonable to help in securing, maintaining, and/or enforcing rights to the TRANSFERRED RIGHTS for the ASSIGNEE.

3.5 No Additional Consideration Required. The ASSIGNOR agrees to and will perform the acts mentioned herein without the requirement of any additional consideration.

4. ATTORNEY CLIENT PRIVILEGE

4.1 Assignment of Attorney-Client Privilege. The ASSIGNOR hereby assigns to the ASSIGNEE all past, present and future rights and privileges related to any attorney-client privilege and/or work product of the ASSIGNOR in relation to the TRANSFERRED RIGHTS.

ASSIGNMENT

4.2 Prevent Waiver of Attorney Client Privilege. The ASSIGNOR hereby agrees to not engage in any acts resulting in the intentional or unintentional waiver of the attorney client privilege, work product, and/or common interest without the express written authorization from the ASSIGNEE and/or its legal representatives.

4.3 Partial Waiver of Attorney-Client Privilege. The ASSIGNOR hereby agrees that any partial waiver of the attorney-client privilege and/or work product of the ASSIGNOR does not constitute total waiver.

5. COVENANTS AND WARRANTIES

5.1 Authority to Convey. The ASSIGNOR hereby covenants and warrants that the ASSIGNOR has the full right and authority to convey the TRANSFERRED RIGHTS assigned by this assignment.

5.2 No Consent Required to Convey. The ASSIGNOR hereby covenants and warrants that no consents of any other parties are necessary or appropriate under any agreements concerning any of the TRANSFERRED RIGHTS.

5.3 No Conflicts. The ASSIGNOR hereby covenants and warrants that the ASSIGNOR has not executed and will not execute any documents and/or perform any acts conflicting with this assignment.

5.4 Marketable Title. The ASSIGNOR hereby covenants and warrants that, to the best of the ASSIGNOR'S knowledge, the ASSIGNOR has good and marketable title to the TRANSFERRED RIGHTS, free and clear of any and all liens, mortgages, encumbrances, pledges, security interests, licenses, and/or charges of any nature whatsoever.

6. MISCELLANEOUS

6.1 Issue Patent to Assignee. The ASSIGNOR hereby authorizes and requests that any and all patents issuing from the PATENTS and/or RELATED PATENT CASES issue to the ASSIGNEE, its successors in interest, its assigns, and/or its legal representatives.

6.2 Severability. If any provision of this assignment is ruled invalid and/or unenforceable by a court, such decision shall not affect the validity and/or enforceability of the remaining provisions this assignment.

6.3 Choice of Law. This assignment shall be interpreted and controlled by the laws of the United States, and in particular in accordance with the laws of the state of the ASSIGNEE's principal place of business as identified in part 1.2 of this assignment, without reference to the conflict of law principles thereof. It is further understood that Assignor consents to the courts of the state of the ASSIGNEE's principal place of business as identified in part 1.2 of this assignment in connection with any dispute arising under the assignment.

6.4 Effective Date. This assignment is hereby made effective as of the EFFECTIVE DATE.

ASSIGNMENT

Assignor:

[Signature]
Signature (Assignor)

Printed Name: Jeremy S. Forest

Title: Chief IP Counsel

Company: Heritage Research Group

Date: 18 day of August, 20 21

Notary:

STATE OF Indiana)
) : SS
COUNTY OF Marion)

Before me, a Notary Public, in and for the County and State, personally appeared the above-named Assignor, who executed the foregoing Assignment in my presence and acknowledged the execution thereof as their free and voluntary act and deed for the uses and purposes therein set forth and expressed.

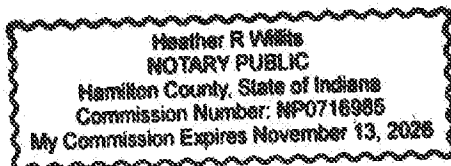
Signature (Notary Public): [Signature]

Printed Name: Heather R. Willits

Date: 18 day of August, 20 21

Resident of Hamilton County

My Commission Expires: November 13, 2026



ASSIGNMENT

Assignee:

Assignee hereby accepts the sale, transfer and assignment of the Intellectual Property and Related Rights.



Signature (Assignee)

Printed Name: Deborah Dobbins

Title: Secretary

Company: Heritage Research Group, LLC

Date: 18th day of August, 2021

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
United States	62/844,210	05/07/2019			METHODS OF REDUCING CALCITE FORMATION AND SOLUBILIZED METALS FROM AQUEOUS EFFLUENT STREAMS
PCT	PCT/US2020/031678	05/06/2020			METHODS OF REDUCING CALCITE FORMATION AND SOLUBILIZED METALS FROM AQUEOUS EFFLUENT STREAMS
United States	62/693,130	07/02/2018			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
United States	16/454,290	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
PCT	PCT/US2019/039452	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
Australia	2019299067	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
Brazil	BR1120200270342	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
Canada	3104333	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
China	201980045006.1	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
Europe	19830359.6	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
New Zealand	771386	06/27/2019			COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A VOID-FILLING ASPHALT EMULSION
United States	62/871,261	07/08/2019			ADHESION PROMOTERS COMPRISING OLIGOMERIC SILANES AND METHODS OF USING THE SAME
PCT	PCT/US2020/040959	07/07/2020			ADHESION PROMOTERS COMPRISING OLIGOMERIC SILANES AND METHODS OF USING THE SAME
United States	62/752,682	10/30/2018			MINIMIZATION OF ROCK PILE LEACHATE FORMATION AND METHODS OF TREATING ROCK PILE LEACHATES
PCT	PCT/US2019/057403	10/22/2019			MINIMIZATION OF ROCK PILE LEACHATE FORMATION AND METHODS OF TREATING ROCK PILE LEACHATES
Canada	3118276	10/22/2019			MINIMIZATION OF ROCK PILE LEACHATE FORMATION AND METHODS OF TREATING ROCK PILE LEACHATES

PATENT

REEL: 057264 FRAME: 0336

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
United States	17/301,987	04/21/2021			MINIMIZATION OF ROCK PILE LEACHATE FORMATION AND METHODS OF TREATING ROCK PILE LEACHATES
United States	62/749,917	62/749,917			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
PCT	PCT/US2019/057409	10/22/2019			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
United States	17/302,088	04/23/2021			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
Australia	2019365826	10/22/2019			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
Canada	3117523	10/22/2019			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
China	201980085162.0	10/22/2019			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
Europe	19801461.5	10/22/2019			ASPHALT BINDERS AND BITUMINOUS COMPOSITIONS COMPRISING NAPHTHENIC ACID ESTERS
United States	62/885,866	08/13/2019			COMPOSITIONS AND METHODS FOR TREATING AND RECLAIMING PAINT FLUSH WASTE
PCT	PCT/US2020/046056	08/13/2020			COMPOSITIONS AND METHODS FOR TREATING AND RECLAIMING PAINT FLUSH WASTE
United States	62/469,846	03/10/2017			SAFE AROMATICS
United States	15/916,753	03/09/2018	10,774,016	09/15/2020	SAFE AROMATICS
PCT	PCT/US2018/021712	03/09/2018			SAFE AROMATICS
China	201880017016X	03/09/2018			SAFE AROMATICS
South Korea	2019-7027895	03/09/2018			SAFE AROMATICS
Canada	3054691	03/09/2018			SAFE AROMATICS
Mexico	MX/A/2019/010704	03/09/2018			SAFE AROMATICS
Brazil	BR112019018605-0	03/09/2018			SAFE AROMATICS

PATENT

REEL: 057264 FRAME: 0337

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
India	201917035158	03/09/2018			SAFE AROMATICS
Europe	18764444.8	03/09/2018			SAFE AROMATICS
United States	16/988,958	08/10/2020			SAFE AROMATICS
United States	62/130,293	03/09/2015			VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	62/302,335	03/02/2016			VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	15/064,819	03/09/2016	9,732,478		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	15/401,995	01/09/2017	9,739,018		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	15/646,912	07/11/2017	10,060,080		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	16/103,466	08/14/2018	10,480,130		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	16/276,214	02/14/2019	10,364,535		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	16/453,550	06/26/2019	10,435,850		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	16/549,776	08/23/2019	10,907,309		VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Canada	2923039	03/08/2016			VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
China	201610134145X	03/09/2016	XL 201610134145X	09/08/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Europe	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Europe	20194987.2	03/09/2016			VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Austria	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS

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REEL: 057264 FRAME: 0338

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
Belgium	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Denmark	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
France	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Germany	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Ireland	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Italy	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Netherlands	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Norway	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Poland	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Spain	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Sweden	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Switzerland	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
Turkey	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United Kingdom	16159379.3	03/09/2016	3067393	10/28/2020	VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	17/130,128	12/22/2020			VOID REDUCING ASPHALT MEMBRANE COMPOSITION, METHOD AND APPARATUS FOR ASPHALT PAVING APPLICATIONS
United States	61/042,143	04/03/2008			METHOD OF PROCESSING SILICONE WASTES
United States	12/384,483	04/03/2009	8,344,036	01/01/2013	METHOD OF PROCESSING SILICONE WASTES

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REEL: 057264 FRAME: 0339

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
PCT	PCT/US2009/020090	04/03/2009			METHOD OF PROCESSING SILICONE WASTES
China	200980112479.5	04/03/2009	101990458 B	07/01/2015	METHOD OF PROCESSING SILICONE WASTES
India	6868/DELNP/2010	04/03/2009	284701	06/29/2017	METHOD OF PROCESSING SILICONE WASTES
Europe	09755200.4	04/03/2009	2262584	10/01/2014	METHOD OF PROCESSING SILICONE WASTES
France	09755200.4	04/03/2009	2262584	10/01/2014	METHOD OF PROCESSING SILICONE WASTES
United Kingdom	09755200.4	04/03/2009	2262584	10/01/2014	METHOD OF PROCESSING SILICONE WASTES
Germany	09755200.4	04/03/2009	2262584	10/01/2014	METHOD OF PROCESSING SILICONE WASTES
United States	12/048,576	03/14/2008	7,776,126	08/17/2010	PROCESSING PARAMETERS FOR OPERATION OF A CHANNEL INDUCTION FURNACE
United States	12/048,597	03/14/2008	7,776,127	08/17/2010	USE OF A CHANNEL INDUCTION FURNACE TO PROCESS AT LEAST ONE OF A MOLTEN METAL PRODUCT, A VAPOR PHASE METAL PRODUCT AND
United States	60/938,861	05/18/2007			METHOD OF USING POROUS AGGREGATE IN ASPHALT COMPOSITIONS
United States	12/122,979	05/19/2008	8,168,696	05/01/2012	METHOD OF USING POROUS AGGREGATE IN ASPHALT COMPOSITIONS
United States	61/234,793	08/18/2009			METHOD FOR PREPARING SILICON-SULFUR COMPOUNDS AND THEIR USE IN BITUMINOUS COMPOSITIONS
United States	12/856,807	08/16/2010	8,476,344	07/02/2013	METHOD FOR PREPARING SILICON-SULFUR COMPOUNDS AND THEIR USE IN BITUMINOUS COMPOSITIONS
United States	61/158,059	03/06/2009			USE OF SILICA FOR THE REMOVAL OF ORGANOSILANES
United States	12/718,058	03/05/2010	8,551,339	10/08/2013	USE OF SILICA FOR THE REMOVAL OF ORGANOSILANES
United States	61/500,396	06/23/2011			SOUND BARRIERS MADE FROM SCRAP AND WASTE MATERIALS
United States	13/531,838	06/25/2012	8,684,135	04/01/2014	SOUND BARRIERS MADE FROM SCRAP AND WASTE MATERIALS
United States	61/368,069	07/27/2010			INDUCTION HEATED SCREW
United States	13/191,002	07/26/2011	8,945,350	02/03/2015	INDUCTION HEATED SCREW

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REEL: 057264 FRAME: 0340

ASSIGNMENT APPENDIX A

Country	Application No.	App. Date	Registration No.	Reg. Date	Title
United States	61/368,060	07/27/2010			INDUCTION HEATED GASIFIER
United States	13/191,019	07/26/2011	8,945,351	8,945,351	INDUCTION HEATED GASIFIER
United States	12/048,536	03/14/2008	7,727,302	06/01/2010	SLAG CONTROL IN A CHANNEL INDUCTION FURNACE
United States	12/048,614	03/14/2008	7,785,389	08/31/2010	FEED MATERIAL COMPOSITION AND HANDLING IN A CHANNEL INDUCTION FURNACE
Austria	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Belgium	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	62/349,875	06/14/2016			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	15/622,604	06/14/2017	10,053,820	08/21/2018	BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	16/105,093	08/20/2018	10,655,281	05/19/2020	BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	16/283,114	02/22/2019	10,655,281	11/26/2019	BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
PCT	PCT/US2017/037439	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Brazil	BR112018075976-7	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Canada	3027371	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
China	2017800373672	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Europe	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	16/845,374	04/10/2020			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Denmark	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION

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Country	Application No.	App. Date	Registration No.	Reg. Date	Title
France	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Germany	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Ireland	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Italy	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Netherlands	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Norway	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Poland	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Spain	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Sweden	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Switzerland	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
Turkey	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United Kingdom	17814004.2	06/14/2017			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	17/303,235	05/25/2021			BINDER COMPOSITION FOR IMPROVED TACK COAT AND STRESS ABSORBING MEMBRANE INTERLAYER APPLICATION FOR ROAD CONSTRUCTION
United States	61/014,461	12/18/2007			SCREENING TEST FOR BIODIESEL FUEL
United States	12/336,701	12/17/2008	8,193,000	06/05/2012	SCREENING TEST FOR BIODIESEL FUEL
United States	63/054,940	07/22/2020			PROCESS AND METHODS FOR REMOVING POLYPHOSPHORIC ACID-CONTAINING SALTS AND SOLIDS
PCT	PCT/US2021/042314	07/20/2021			PROCESS AND METHODS FOR REMOVING POLYPHOSPHORIC ACID-CONTAINING SALTS AND SOLIDS

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Country	Application No.	App. Date	Registration No.	Reg. Date	Title
United States	63/109,604	11/04/2020			SLUDGE REMOVAL AND TREATMENT, AND CLEANING OF A PHOSPHORIC ACID TANK
United States	62/130,918	03/10/2015			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	62/302,338	03/02/2016			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	15/064,814	03/09/2016			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	15/401,990	01/09/2017	9,822,495	11/21/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	16/456,611	06/28/2019			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	16/577,920	09/20/2019			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United States	15/787,427	10/18/2017	10,465,345	11/05/2019	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Canada	2923021	03/08/2016			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
China	201610137273.X	03/10/2016	ZL 20161037273X	08/11/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Europe	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Europe	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Austria	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Belgium	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Denmark	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
France	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS

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Country	Application No.	App. Date	Registration No.	Reg. Date	Title
Germany	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United Kingdom	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Ireland	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Italy	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Netherlands	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Norway	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Poland	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Spain	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Sweden	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Switzerland	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Turkey	16159499.9	03/09/2016	3081694	10/25/2017	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Austria	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Belgium	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Switzerland	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Germany	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Denmark	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS

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Country	Application No.	App. Date	Registration No.	Reg. Date	Title
Spain	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
France	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
United Kingdom	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Ireland	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Italy	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Netherlands	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Norway	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Poland	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Sweden	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Turkey	17198070.9	03/09/2016	3309295	08/25/2020	APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS
Europe	20192752.2	03/09/2016			APPARATUS AND METHOD FOR APPLYING ASPHALT BINDER COMPOSITIONS INCLUDING VOID REDUCING ASPHALT MEMBRANE COMPOSITIONS FOR PAVING APPLICATIONS

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