504240150 02/22/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4286827

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SPAWNT PRIVATE S.A.R.L	11/04/2016

RECEIVING PARTY DATA

Name:	NAGARJUNA FERTILIZERS AND CHEMICALS LIMITED.	
Street Address:	D. NO. 8-2-248, NAGARJUNA HILLS, PUNJAGUTTA	
City:	HYDERABAD, TELANGANA	
State/Country:	INDIA	
Postal Code:	500 082	

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	13119509
Application Number:	13057084
Application Number:	12995174
Application Number:	12995173

CORRESPONDENCE DATA

Fax Number: (212)206-8382

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: 2122030976

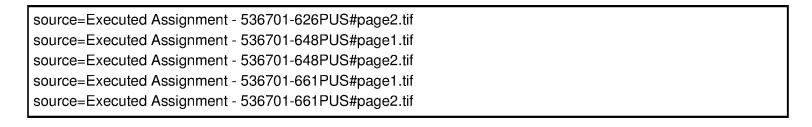
Email: patents@vlplawgroup.com **Correspondent Name:** VLP LAW GROUP LLP Address Line 1: 555 BYRANT STREET

Address Line 4: PALO ALTO, CALIFORNIA 94301

ATTORNEY DOCKET NUMBER:	536701-661_625_626_648PUS	
NAME OF SUBMITTER:	ENSHAN HONG	
SIGNATURE:	/Enshan Hong/	
DATE SIGNED:	02/22/2017	

Total Attachments: 8

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Attorney Docket Number: 536701-625PUS

Transport of

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration,

the receipt of which is hereby acknowledged, SPAWNT PRIVATE S.A.R.L of LUXEMBOURG,

LUXEMBOURG (hereinafter referred to as "ASSIGNOR"):

hereby sells, assigns and transfers to Nagarjuna Fertilizers and Chemicals

Limited. (hereinafter referred to as "ASSIGNEE"), a Indian public company limited by shares,

having its registered office at D. No. 8-2-248, Nagarjuna Hills, Punjagutta, Hyderabad, Telangana,

India -500 082, its successors, assigns and legal representatives, the entire right, title and interest for

the United States and all foreign countries, in and to the invention which is disclosed in U.S.

Application No. 12/995,173 for United States Letters Patent, which has been executed by the

undersigned representative concurrently herewith, and which is entitled:

HALOGENATED POLYSILANE AND PLASMA-CHEMICAL PROCESS FOR

PRODUCING THE SAME

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue,

and all other applications for Letters Patent which have been or shall be filed in the United States

and all foreign countries on said invention; and in and to all original, reissued and other patents and

certificates of invention which have been or shall be issued in the United States and all foreign

countries on said invention;

Agrees that said Assignee may apply for and receive Letters Patent for said

invention in its own name, and that, when requested, without further consideration from or charge to,

but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in

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good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 11/04/2016

month/day/year

SPAWNT PRIVATE S.A.R.L

Signer's name: RAMAKANTH MALAPALLI

Signer's title: Class A – Manager

Witness: Dr GINDAM NARENDER

Witness

Note: Signature of a witness is preferable, but not required.

-2-

Attorney Docket Number: 536701-626PUS

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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, SPAWNT PRIVATE S.A.R.L of LUXEMBOURG, LUXEMBOURG (hereinafter referred to as "ASSIGNOR"):

hereby sells, assigns and transfers to Nagarjuna Fertilizers and Chemicals

Limited. (hereinafter referred to as "ASSIGNEE"), a Indian public company limited by shares,
having its registered office at D. No. 8-2-248, Nagarjuna Hills, Punjagutta, Hyderabad, Telangana,
India -500 082, its successors, assigns and legal representatives, the entire right, title and interest for
the United States and all foreign countries, in and to the invention which is disclosed in U.S.
Application No. 12/995,174 for United States Letters Patent, which has been executed by the
undersigned representative concurrently herewith, and which is entitled:

HALOGENATED POLYSILANE AND THERMAL PROCESS FOR PRODUCING THE SAME

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agrees that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in

good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 11/04/2016

month/day/year

SPAWNT PRIVATE S.A.R.L

Signer's name: RAMAKANTH MALAPALLI

Signer's title: Class A – Manager

Witness: Dr GINDAM NARENDER

Witness

Note: Signature of a witness is preferable, but <u>not</u> required.

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Attorney Docket Number: 536701-648PUS

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, SPAWNT PRIVATE S.A.R.L of LUXEMBOURG, LUXEMBOURG (hereinafter referred to as "ASSIGNOR"):

hereby sells, assigns and transfers to Nagarjuna Fertilizers and Chemicals

Limited. (hereinafter referred to as "ASSIGNEE"), a Indian public company limited by shares,
having its registered office at D. No. 8-2-248, Nagarjuna Hills, Punjagutta, Hyderabad, Telangana,
India -500 082, its successors, assigns and legal representatives, the entire right, title and interest for
the United States and all foreign countries, in and to the invention which is disclosed in U.S.
Application No. 13/057,084 for United States Letters Patent, which has been executed by the
undersigned representative concurrently herewith, and which is entitled:

PROCESS FOR REMOVING NONMETALLIC IMPURITIES FROM METALLURGICAL SILICON

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agrees that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in

good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 11/04/2016

SPAWNT PRIVATE S.A.R.L

month/day/year

Signer's name: RAMAKANTH MALAPALLI

Signer's title: Class A – Manager

Witness: Dr GINDAM NARENDER

Witness

Note: Signature of a witness is preferable, but not required.

-2-

Assignment C/M# 536701-648PUS

Attorney Docket Number: 536701-661PUS

The Same

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration,

the receipt of which is hereby acknowledged, SPAWNT PRIVATE S.A.R.L of LUXEMBOURG,

LUXEMBOURG (hereinafter referred to as "ASSIGNOR"):

hereby sells, assigns and transfers to Nagarjuna Fertilizers and Chemicals

Limited. (hereinafter referred to as "ASSIGNEE"), a Indian public company limited by shares,

having its registered office at D. No. 8-2-248, Nagarjuna Hills, Punjagutta, Hyderabad, Telangana,

India -500 082, its successors, assigns and legal representatives, the entire right, title and interest for

the United States and all foreign countries, in and to the invention which is disclosed in U.S. Patent

No. 9,428,618, which has been executed by the undersigned representative concurrently herewith,

and which is entitled:

METHOD FOR PRODUCING HALOGENATED OLIGOMERS AND/OR HALOGENATED

POLYMERS OF ELEMENTS OF THE THIRD TO FIFTH MAIN GROUP

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue,

and all other applications for Letters Patent which have been or shall be filed in the United States

and all foreign countries on said invention; and in and to all original, reissued and other patents and

certificates of invention which have been or shall be issued in the United States and all foreign

countries on said invention;

Agrees that said Assignee may apply for and receive Letters Patent for said

invention in its own name, and that, when requested, without further consideration from or charge to,

but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in

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good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 11/04/2016

representatives; and

month/day/year

SPAWNT PRIVATE S.A.R.L

Signer's name: RAMAKANTH MALAPALLI

Signer's title: Class A – Manager

Witness: Dr GINDAM NARENDER

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Witness

Note: Signature of a witness is preferable, but not required.

Assignment C/M# 536701-661PUS