

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4820944

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT	02/12/2018

RECEIVING PARTY DATA

Name:	GRAFTECH INTERNATIONAL HOLDINGS INC.
Street Address:	982 KEYNOTE CIRCLE
City:	BROOKLYN HEIGHTS
State/Country:	OHIO
Postal Code:	44131

PROPERTY NUMBERS Total: 180

Property Type	Number
Patent Number:	5631919
Patent Number:	7150837
Patent Number:	7206189
Patent Number:	7230969
Patent Number:	7241409
Patent Number:	7301982
Patent Number:	7835419
Patent Number:	7991039
Patent Number:	8007658
Patent Number:	8007659
Patent Number:	8007660
Patent Number:	8165183
Patent Number:	8372539
Patent Number:	8440302
Patent Number:	8530094
Patent Number:	8658315
Patent Number:	8747651
Patent Number:	8828348
Patent Number:	8923360
Patent Number:	RE42775

PATENT

Property Type	Number
Patent Number:	5336015
Patent Number:	5373051
Patent Number:	5376450
Patent Number:	5413738
Patent Number:	5415755
Patent Number:	5443894
Patent Number:	5451064
Patent Number:	5476679
Patent Number:	5478442
Patent Number:	5550176
Patent Number:	5607770
Patent Number:	5639576
Patent Number:	5677082
Patent Number:	5751759
Patent Number:	5756062
Patent Number:	5830809
Patent Number:	5843298
Patent Number:	5846459
Patent Number:	5885728
Patent Number:	5902762
Patent Number:	5981072
Patent Number:	5985452
Patent Number:	5990027
Patent Number:	6017633
Patent Number:	6087034
Patent Number:	6143218
Patent Number:	6214158
Patent Number:	6254993
Patent Number:	6280663
Patent Number:	6378836
Patent Number:	6395220
Patent Number:	6413601
Patent Number:	6413663
Patent Number:	6413671
Patent Number:	6416815
Patent Number:	6433067
Patent Number:	6440563
Patent Number:	6468686

Property Type	Number
Patent Number:	6479182
Patent Number:	6500022
Patent Number:	6503626
Patent Number:	6517964
Patent Number:	6528199
Patent Number:	6549557
Patent Number:	6555271
Patent Number:	6582846
Patent Number:	6592982
Patent Number:	6613252
Patent Number:	6663807
Patent Number:	6673289
Patent Number:	6699427
Patent Number:	6724803
Patent Number:	6757154
Patent Number:	6770161
Patent Number:	6800364
Patent Number:	6803108
Patent Number:	6804582
Patent Number:	6830595
Patent Number:	6841248
Patent Number:	6841387
Patent Number:	6871560
Patent Number:	6878331
Patent Number:	6886249
Patent Number:	6898232
Patent Number:	6916435
Patent Number:	6927250
Patent Number:	7016394
Patent Number:	7103083
Patent Number:	7105108
Patent Number:	7182898
Patent Number:	7186309
Patent Number:	7206330
Patent Number:	7207424
Patent Number:	7232601
Patent Number:	7232606
Patent Number:	7264878

Property Type	Number
Patent Number:	7313160
Patent Number:	7324576
Patent Number:	7324577
Patent Number:	7352792
Patent Number:	7378178
Patent Number:	7386369
Patent Number:	7393442
Patent Number:	7413793
Patent Number:	7466739
Patent Number:	7544316
Patent Number:	7563841
Patent Number:	7592695
Patent Number:	7660337
Patent Number:	D749621
Patent Number:	9777221
Patent Number:	9758905
Patent Number:	9683313
Patent Number:	9497804
Patent Number:	9439247
Patent Number:	9313834
Patent Number:	9253827
Patent Number:	9187698
Application Number:	12062005
Application Number:	12723651
Application Number:	13449896
Application Number:	13451855
Application Number:	13451904
Application Number:	13512976
Application Number:	13670962
Application Number:	13704280
Application Number:	14125620
Application Number:	14126596
Application Number:	14337859
Application Number:	14420537
Application Number:	14420573
Application Number:	61776824
Application Number:	61929526
Application Number:	62029073

Property Type	Number
Application Number:	62059311
Application Number:	62090244
Application Number:	10328302
Application Number:	10496715
Application Number:	11058912
Application Number:	11187721
Application Number:	11273629
Application Number:	11302965
Application Number:	11302982
Application Number:	11321693
Application Number:	11321739
Application Number:	11321757
Application Number:	11322080
Application Number:	11327832
Application Number:	11405361
Application Number:	11406841
Application Number:	11452829
Application Number:	11565169
Application Number:	11568472
Application Number:	11677328
Application Number:	11735487
Application Number:	11742807
Application Number:	11742812
Application Number:	11773094
Application Number:	11773099
Application Number:	11803666
Application Number:	11828709
Application Number:	11861355
Application Number:	11876499
Application Number:	12014835
Application Number:	12170772
Application Number:	12244246
Application Number:	12253073
Application Number:	12483796
Application Number:	12669300
Application Number:	61186678
Application Number:	61308469
Application Number:	12678269

Property Type	Number
Application Number:	12545140
Application Number:	11803667
Application Number:	11747958
Application Number:	10849636
Application Number:	10760946
Application Number:	10720841
Application Number:	10022782
Application Number:	09821990

CORRESPONDENCE DATA

Fax Number: (800)494-7512

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: 800-494-5225

Email: ipteam@cogencyglobal.com

Correspondent Name: STEWART WALSH

Address Line 1: 1025 VERMONT AVE NW, SUITE 1130

Address Line 2: COGENCY GLOBAL INC.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: F175484 PAT RELEASE

NAME OF SUBMITTER: ESTEFANIA LAUREANO

SIGNATURE: /ESTEFANIA LAUREANO/

DATE SIGNED: 02/12/2018

Total Attachments: 9

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RELEASE OF SECURITY INTEREST IN PATENTS, dated as of February 12, 2018 (this “Release”), by JPMORGAN CHASE BANK, N.A. (“JPMorgan”), in its capacity as Collateral Agent under the Credit Agreement referred to below. Capitalized terms used herein and not otherwise defined shall have the meanings assigned to such terms in the Credit Agreement.

Reference is made to (i) the Second Amended and Restated Credit Agreement dated as of February 27, 2015 (as the same may be further amended, supplemented, restated, amended and restated or otherwise modified from time to time, the “Credit Agreement”), among GrafTech International Ltd., a Delaware corporation (the “Company”), GrafTech Finance Inc., a Delaware corporation (“Finance”), GrafTech Luxembourg I S.à.r.l., a Luxembourg *société à responsabilité limitée*, GrafTech Luxembourg II S.à.r.l., a Luxembourg *société à responsabilité limitée*, GrafTech Switzerland S.A., a Swiss corporation, the LC Subsidiaries from time to time party thereto, the Lenders from time to time party thereto and JPMorgan, as Administrative Agent, Collateral Agent, as an Issuing Bank and as a Swingline Lender, (ii) the Third Amended and Restated Security Agreement dated as of April 23, 2014 (as the same may be amended, supplemented, restated, reaffirmed or otherwise modified from time to time), made by the Company, Finance and the other subsidiaries of the Company from time to time party thereto, in favor of JPMorgan as Collateral Agent for the Secured Parties, (iii) the Amended and Restated Intellectual Property Security Agreement dated as of April 28, 2010 (as amended, restated, supplemented, reaffirmed or otherwise modified from time to time, the “IP Security Agreement”), made by the Company, GrafTech Global Enterprises Inc., a Delaware corporation, Finance and the other subsidiaries of the Company from time to time party thereto, in favor of JPMorgan as Collateral Agent for the Secured Parties and (iv) the Patent Security Agreement dated as of May 22, 2015 (the “Patent Security Agreement”), among Fiber Materials Inc., a Delaware corporation, GrafTech International Holdings Inc., a Delaware corporation (the “Grantor”), and JPMorgan, as Collateral Agent (the documents set forth in clauses (ii) through (iv), the “Security Documents”).

WHEREAS, pursuant to the Security Documents, the Grantor granted to the Collateral Agent, and its successors and assigns, for the ratable benefit of the Secured Parties, a security interest in all right, title and interest of the Grantor in, among other things, the Patents (as defined in the IP Security Agreement) set forth on Schedule I hereto (the “Patent Collateral”), which security interest was recorded with the United States Patent & Trademark Office on July 14, 2010 at Reel/Frame 024678/0830 and on June 10, 2015 at Reel/Frame 035839/0754.

WHEREAS, pursuant to the Payoff Letter dated as of February 12, 2018, among, among others, the Company and JPMorgan as Administrative Agent and Collateral Agent and as Issuing Bank, the Collateral Agent agreed to release any and all lien and security interests it may have in the Patent Collateral pursuant to the Security Documents.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

1. The Collateral Agent, on behalf of itself, the Secured Parties and their permitted successors and assigns, does hereby absolutely, unconditionally and irrevocably release, cancel, terminate, relinquish, discharge and reassign, in its entirety, for the benefit of Grantor and its

successors and assigns: (a) all liens and security interests created under the Security Agreement and the Patent Security Agreement, in each case, in the Patent Collateral, (b) all of the Collateral Agent's and any other Secured Party's right, title and interest in, to and under the Patent Collateral and (c) all liens and security interests granted to the Collateral Agent in the Patent Collateral.

2. The Collateral Agent agrees to make filings with the United States Patent and Trademark Office and take any further actions, in each case as reasonably requested by the Grantor and at the sole expense of the Company, to evidence the release and termination of the security interests in the Patent Collateral. The execution and delivery of this Release and any further documents and the performance of any actions by the Collateral Agent are made without representation or warranty by, or recourse to, the Collateral Agent or any other Secured Party.

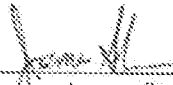
3. THIS RELEASE SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.

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IN WITNESS WHEREOF, the Collateral Agent has duly executed this Release as of the day and year first above written.

JPMORGAN CHASE BANK, N.A., as Collateral Agent,

by


Name: James Shender
Title: Vice President

[Signature Page to Release of Security Interests in Patents]

SCHEDULE I

PATENTS OWNED BY
GRAFTECH INTERNATIONAL HOLDINGS INC.

U.S. Patent Grants

Issue Date:	Patent #:
20-May-1997	5631919
19-Dec-2006	7150837
17-Apr-07	7206189
12-Jun-2007	7230969
10-Jul-07	7241409
27-Nov-2007	7301982
16-Nov-2010	7835419
2-Aug-2011	7991039
30—Aug-2011	8007658
30-Aug-2011	8007659
30-Aug-2011	8007660
24-Apr-2012	8165183
12-Feb-2013	8372539
14-May-2013	8440302
10-Sep-2013	8530094
25-Feb-2014	8658315
10-Jun-2014	8747651
9-Sep-2014	8828348
30-Dec-2014	8923360
4-Oct-2011	RE42775
9-Aug-94	5336015
13-Dec-94	5373051
27-Dec-94	5376450
9-May-95	5413738
16-May-95	5415755
22-Aug-95	5443894
19-Sep-95	5451064
19-Dec-95	5476679
26-Dec-95	5478442
27-Aug-96	5550176

Issue Date:	Patent #:
4-Mar-97	5607770
17-Jun-97	5639576
14-Oct-97	5677082
12-May-98	5751759
26-May-98	5756062
3-Nov-98	5830809
1-Dec-98	5843298
8-Dec-98	5846459
23-Mar-99	5885728
11-May-99	5902762
9-Nov-99	5981072
16-Nov-99	5985452
23-Nov-99	5990027
25-Jan-00	6017633
11-Jul-00	6087034
7-Nov-00	6143218
10-Apr-01	6214158
3-Jul-01	6254993
28-Aug-01	6280663
30-Apr-02	6378836
28-May-02	6395220
2-Jul-02	6413601
2-Jul-02	6413663
2-Jul-02	6413671
9-Jul-02	6416815
13-Aug-02	6433067
27-Aug-02	6440563
22-Oct-02	6468686
12-Nov-02	6479182
31-Dec-02	6500022
7-Jan-03	6503626
11-Feb-03	6517964
4-Mar-03	6528199
15-Apr-03	6549557
29-Apr-03	6555271

Issue Date:	Patent #:
24-Jun-03	6582846
15-Jul-03	6592982
2-Sep-03	6613252
16-Dec-03	6663807
6-Jan-04	6673289
2-Mar-04	6699427
20-Apr-04	6724803
29-Jun-04	6757154
3-Aug-04	6770161
5-Oct-04	6800364
12-Oct-04	6803108
12-Oct-04	6804582
14-Dec-04	6830595
11-Jan-05	6841248
11-Jan-05	6841387
29-Mar-05	6871560
12-Apr-05	6878331
3-May-05	6886249
24-May-05	6898232
12-Jul-05	6916435
9-Aug-05	6927250
21-Mar-06	7016394
5-Sep-06	7103083
12-Sep-06	7105108
27-Feb-07	7182898
6-Mar-07	7186309
17-Apr-07	7206330
24-Apr-07	7207424
12-Jun-07	7230969
19-Jun-07	7232601
19-Jun-07	7232606
4-Sep-07	7264878
25-Dec-07	7313160
29-Jan-08	7324576
29-Jan-08	7324577

Issue Date:	Patent #:
1-Apr-08	7352792
27-May-08	7378178
10-Jun-08	7386369
1-Jul-08	7393442
19-Aug-08	7413793
16-Dec-08	7466739
9-Jun-09	7544316
21-Jul-09	7563841
22-Sep-09	7592695
9-Feb-10	7660337
16-Feb-16	D749621 (was application 29462613 filed 6-Aug-2013)
3-Oct-17	9777221 (was application 11427786 filed 29-Jun-2006)
12-Sep-17	9758905 (was application 14440411)
20-Jun-17	9683313
15-Nov-16	9497804 (was application 13580997)
15-Nov-16	9439247 (was application 13670981 filed 7-Nov-2012)
12-Apr-16	9313834
2-Feb-16	9253827 (was application 14550014 filed 21-Nov-2014)
17-Nov-15	9187698 (was application 13883666 filed 6-May-2013)

U.S. Patent Applications

Filing Date:	Application #:
3-Apr-2008	12062005
14-Mar-2010	12723651
18-Apr-2012	13449896
20-Apr-2012	13451855
20-Apr-2012	13451904
31-May-2012	13512976

Filing Date:	Application #:
7-Nov-2012	13670962
14-Dec-2012	13704280
12-Dec-2013	14125620
16-Dec-2013	14126596
22-Jul-2014	14337859
9-Feb-2015	14420537
9-Feb-2015	14420573
12-Mar-2013	61776824
21-Jan-2014	61929526
25-Jul-2014	62029073
3-Oct-2014	62059311
10-Dec-2014	62090244
23-Dec-02	10328302
26-May-04	10496715
16-Feb-05	11058912
22-Jul-05	11187721
14-Nov-05	11273629
14-Dec-05	11302965
14-Dec-05	11302982
29-Dec-05	11321693
29-Dec-05	11321739
29-Dec-05	11321757
29-Dec-05	11322080
6-Jan-06	11327832
17-Apr-06	11405361
19-Apr-06	11406841
14-Jun-06	11452829
30-Nov-06	11565169
6-Oct-06	11568472
21-Feb-07	11677328
15-Apr-07	11735487
1-May-07	11742807
1-May-07	11742812
3-Jul-07	11773094
3-Jul-07	11773099

Filing Date:	Application #:
15-May-07	11803666
26-Jul-07	11828709
26-Sep-07	11861355
22-Oct-07	11876499
16-Jan-08	12014835
3-Apr-08	12062005
10-Jul-08	12170772
2-Oct-08	12244246
16-Oct-08	12253073
12-Jun-09	12483796
15-Jan-10	12669300
12-Jun-09	61186678
26-Feb-10	61308469
10-Jul-10	12678269
21-Aug-09	12545140
15-May-07	11803667
14-May-07	11747958
1-May-07	11742812
12-May-04	10849636
20-Jan-04	10760946
24-Nov-03	10720841
13-Dec-01	10022782
30-Mar-01	09821990