

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM310404

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Ferro Corporation		07/01/2014	CORPORATION: OHIO
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	A. Schulman, Inc.		
<b>Street Address:</b>	3637 Ridgewood Road		
<b>City:</b>	Fairlawn		
<b>State/Country:</b>	OHIO		
<b>Postal Code:</b>	44333		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 14</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	2278998	APA ADVANCED POLYMER ALLOYS	
<b>Registration Number:</b>	1296199	ALCRYN	
<b>Registration Number:</b>	2900560	DURAGRIP	
<b>Registration Number:</b>	1952736	GAPEX	
<b>Registration Number:</b>	1855044	RXLOY	
<b>Registration Number:</b>	1837616	OPTUM	
<b>Registration Number:</b>	1384866	FERREX	
<b>Registration Number:</b>	2988044	EFFAR	
<b>Registration Number:</b>	2510833	SUPERSHIELD	
<b>Registration Number:</b>	0785791	CORDOBOND	
<b>Registration Number:</b>	2381553	PURFICTPURGE	
<b>Registration Number:</b>	2419622	COLORGUARD	
<b>Serial Number:</b>	85534390	DURACRYN	
<b>Serial Number:</b>	85613044	INNOVEX	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	2164798780		
<i>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.</i>			
<b>Phone:</b>	216.479.8500		
<b>Email:</b>	trademark@squirepb.com		
<b>TRADEMARK</b>			

CH \$365.00 2278998

**Correspondent Name:** Michael K. French  
**Address Line 1:** Squire Patton Boggs (US) LLP  
**Address Line 2:** 4900 Key Tower  
**Address Line 4:** 127 Public Square, OHIO 44114

**ATTORNEY DOCKET NUMBER:** 033464.00168

**NAME OF SUBMITTER:** Michael K. French

**SIGNATURE:** /MKF/

**DATE SIGNED:** 07/11/2014

**Total Attachments: 11**

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## INTELLECTUAL PROPERTY ASSIGNMENT

This INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment"), effective the 1st day of July, 2014 (the "Effective Date"), is made and entered into by and between Ferro Corporation, an Ohio corporation ("Assignor") and A. Schulman, Inc., a Delaware corporation ("Assignee") (each a "Party," and collectively, the "Parties"). Capitalized terms used herein but not otherwise defined herein will have the meanings set forth in the Purchase Agreement (defined below).

### RECITALS

1. Assignor, Ferro Spain, S.A., Assignee and A. Schulman Castellon, S.L.U. have entered into that certain Asset Purchase Agreement, dated as of June 3, 2014 (as amended from time to time, the "Purchase Agreement"), pursuant to which, among other things, Assignor has agreed to sell, assign, transfer and deliver to Assignee certain Sold Assets on the terms and subject to the conditions set forth in the Purchase Agreement.

2. The Sold Assets include, without limitation, the patents and patent applications set forth on Schedule A hereto (collectively, the "Transferred Patents") and the trademarks and trademark applications set forth on Schedule B hereto (collectively, the "Transferred Trademarks" and together with the Transferred Patents, the "Transferred IP").

3. Assignor and Assignee now desire to enter into this Assignment to evidence the sale, assignment, transfer and delivery to Assignee of the Transferred IP.

For good and valuable consideration, including the consideration set forth in the Purchase Agreement, the receipt and sufficiency of which is hereby acknowledged, Assignor and Assignee hereby agree as follows:

1) Patent Assignment. Assignor hereby sells, assigns, transfers and delivers to Assignee, and Assignee hereby purchases and acquires from Assignor, all rights, title, and interests of Assignor:

(a) in and to the inventions as described in the Transferred Patents, for the United States and its possessions and territories and for all foreign countries (including, without limitation, all rights therein provided by international conventions and treaties),

(b) in and to the Transferred Patents along with all rights of priority created by patent applications included with the Transferred Patents under the Paris Convention and any other related treaty,

(c) in and to all United States and foreign patents and utility models which may be granted on any and all of the Transferred Patents including reissues, reexaminations, extensions or foreign equivalents, and all other corresponding rights

that are or may be secured under the laws of the United States or any foreign country, now or hereafter in effect,

(d) in and to all causes of action and rights to sue for and damages resulting from past, present and future infringement or other unauthorized use of all United States and foreign patents granted or to be granted on the Transferred Patents and the inventions disclosed therein, including extensions, reissues, and reexamination certificates thereto, and

(e) in and to all income, royalties, damages or payments accrued, due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Transferred Patents, with the right to sue for, and collect the same,

in each case, for Assignee's own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made.

2) Trademark Assignment. Assignor hereby sells, assigns, transfers and delivers to Assignee, and Assignee hereby purchases and acquires from Assignor, all rights, title, and interests of Assignor

(a) in and to the Transferred Trademarks, for the United States and its possessions and territories and for all foreign countries (including, without limitation, all rights therein provided by international conventions and treaties), together with the goodwill of the business in connection with which the Transferred Trademarks are used,

(b) in and to all United States and foreign registrations, renewals, and extensions of the Transferred Trademarks, now or hereafter in effect,

(c) in and to all causes of action and rights to sue for and damages resulting from past, present and future infringement or other unauthorized use of all United States and foreign trademarks granted or to be granted on the Transferred Trademarks, and

(d) in and to all income, royalties, damages or payments accrued, due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Transferred Trademarks, with the right to sue for, and collect the same,

in each case, for Assignee's own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made.

3) No Warranties. Except as expressly provided in the Purchase Agreement, Assignor makes no warranties, express or implied, with respect to the Transferred IP.

4) Recording. Assignor hereby authorizes and requests (1) the Commissioner of Patents of the United States, and any other official of any applicable Governmental Authority, to record this Assignment and to issue any and all registrations from any and all applications for registration included in the Transferred Patents to and in the name of Assignee and (2) the Commissioner of Trademarks of the United States, and any other official of any applicable Governmental Authority, to record this Assignment and to issue any and all registrations from any and all applications for registration included in the Transferred Trademarks to and in the name of Assignee.

5) Further Assurances. Assignor will, upon request of Assignee, and without further remuneration, timely execute, or cause its affiliates or current or former employees of Assignor or any Affiliate of Assignor to execute and deliver any additional documents and perform such additional acts reasonably necessary to record and perfect the interest of Assignee in and to the Transferred IP. Upon request of Assignee, and without further remuneration, Assignor will execute, or will cause its Affiliates or current or former employees of Assignor or any Affiliate of Assignor to execute, any and all papers reasonably requested by Assignee for the filing, prosecution, and granting of patent applications related to the inventions disclosed in the Transferred Patents and the perfecting of title thereto in Assignee. Assignor will make a commercially reasonable effort to secure the signature of employees referenced in this section who are not employed by Assignor at the time of a request by Assignee.

6) Interpretation. This Assignment is intended to implement the provisions of the Purchase Agreement, is expressly subject to the terms and conditions thereof, and will not be construed to enhance, extend or limit the representations and warranties, rights, obligations or remedies of any party to the Purchase Agreement. In case of any conflict between the terms and conditions of this Assignment and the terms and conditions of the Purchase Agreement, the terms and conditions of the Purchase Agreement will govern.

7) Headings. The headings contained in this Assignment are included for convenience only, and will not affect in any way the meaning or interpretation of this Assignment.

8) Governing Law. The validity, interpretation and enforcement of this Assignment will be governed by the Laws of the State of Ohio, other than any choice of Law provisions thereof that would cause the Laws of another state to apply.

9) Counterparts; Electronic Signatures. This Agreement may be executed in one or more counterparts, each of which will be deemed an original, but all of which together will constitute one and the same instrument. The electronic transmission of any signed original counterpart of this Agreement will be deemed to be the delivery of an original counterpart of this Agreement.

IN WITNESS WHEREOF, the Assignor and Assignee have caused this Assignment to be executed by its duly authorized representatives.

**ASSIGNOR:**

**Ferro Corporation**

By: 

Name: Peter T. Thomas

Title: Chairman, President and Chief  
Executive Officer

*[Assignor signature page to IP Assignment]*

**ASSIGNEE:**

**A. SCHULMAN, INC.**

By: 

Name: Joseph M. Gingo

Title: Chairman, President & CEO

*Assignee signature page to Patent Assignment*

**TRADEMARK**  
**REEL: 005320 FRAME: 0852**

**Schedule A**

**PATENTS AND PATENT APPLICATIONS**

Docket No.	Title	Country	Patent or Application No.	Filing Date	Issue Date	Est. Expiration Date
14683	Multilayer Polymer Structure	U.S.	7,282,242	4/23/2003	10/16/2007	10/15/2024
158	Polymer Blend Comprising Polypropylene	U.S.	5,969,027	8/1/1997	10/19/1999	12/7/2014
202	Multilayer Composite Structure with Formulated Acrylic Cap	U.S.	6,420,050	2/5/2001	7/16/2002	2/5/2021
233	Multilayer Polymer Composite for Medical Applications	U.S.	6,599,595	8/7/1998	7/29/2003	8/7/2018
250	Adhesive Composition Primarily Intended For Use In Medical Applications	U.S.	6,649,681	2/5/2001	11/18/2003	2/5/2021
272	Multilayer Structure with Acrylic Cap Layer, Polyolefin Core Layer, And Intermediate Tie Layer	U.S.	6,455,171	2/5/2001	9/24/2002	2/5/2021
278	Method of Forming Lenticular Sheets	U.S.	6,726,858	6/13/2001	4/27/2004	10/16/2022
296	Medical Multilayer Film Structure	U.S.	6,723,399	6/12/2002	4/20/2004	6/12/2022
14032	Glass Reinforced Nylon Blend With Improved Knitline Strength	U.S.	6,759,474	3/3/2003	7/6/2004	3/3/2023
14032.001.001	Glass Reinforced Nylon Blend With Improved Knitline Strength	Canada	2516298	8/15/2005	9/22/2009	3/2/2024
14032.001.002	Glass Reinforced Nylon Blend With Improved Knitline Strength	China	CN100352861C	9/1/2005	12/5/2007	3/2/2024



14205	Impact Modified Polyolefin Compositions	U.S.	7,053,154	9/23/2003	5/30/2006	3/11/2024
14767	Thermoplastic Olefin Compositions And Injection Molded Articles Made Therefrom	U.S.	7,307,125	12/15/2004	12/11/2007	1/21/2025
15009	Impact Modified Thermoplastic Olefin Compositions	U.S.	7,041,742	9/22/2003	5/9/2006	10/19/2023
15494	Polymer Compositions Comprising Polyolefins And Reaction Products Of A Polyolefin And An Unsaturated Carboxylic Reagent And Articles Made Therefrom	U.S.	7,026,391	1/7/2002	4/11/2006	13/10/2018
16192	Weatherable Glass Fiber Reinforced Polyolefin Composition	U.S.	8,008,388	12/14/2005	8/30/2011	10/30/2029
164	Low VOC Unsaturated Polyester Systems and Uses Thereof	U.S.	5,688,867	5/1/1995	11/18/1997	5/1/2015
164	Low VOC Unsaturated Polyester Systems and Uses Thereof	U.S.	5,874,503	8/22/1997	2/23/1999	5/1/2015
164	Low VOC Unsaturated Polyester Systems and Uses Thereof	EPO FR, IT, ES	0 814 107	6/19/1996	9/11/2002	6/19/2016
176	Liquid Color for Rotational Molding and Method of Using the Same	U.S.	5,759,472	7/17/1996	6/2/1998	7/17/2016
0247CON	Color Concentrate	U.S.	6,646,038	10/25/2001	11/11/2003	9/3/2019

248	Metal Filled Concentrate	U.S.	6,194,507	8/30/1999	2/27/2001	8/30/2019
33400.01.01	Polymer Composite Foams	EP	(11814932.7)(EP2601253)	3/1/2013		
33400.01.02	Polymer Composite Foams	U.S.	(13/811402)	1/22/2013		
33400.01.03	Polymer Composite Foams	China	(201180038365.8)	2/4/2013		
33400.01.04	Polymer Composite Foams	Japan	(2013-523161)	2/1/2013		
36253.01	Polymer Foams	PCT	(PCT/US2013/075270)	12/16/2013		
37558	Composite Composition For Use In Forming Barrier Constructions	U.S.	(61/921162)	12/27/2013		

Schedule B

TRADEMARKS AND TRADEMARK APPLICATIONS

Matter ID	Mark	Country	Reg. No (Appl. No.)	Reg. Date (Filing Date)	Renewal Date
0655	APA Advanced Polymer Alloys	U.S.	2,278,998	9/21/1999	9/21/2019
0657AU	ALCRYN	Australia	398,814	10/21/1983	10/21/2014
0660	ALCRYN	Brazil	811349977	1/8/1985	1/8/2015
0661	ALCRYN	Canada	304,111	6/28/1985	6/28/2015
0662	ALCRYN	China	341,274	2/28/1989	2/27/2019
0666	ALCRYN	Indonesia	IDM 000147754	10/20/1987	10/20/2017
0671	ALCRYN	Hong Kong	17/1990	1/5/1990	10/21/2019
0673	ALCRYN	Israel	57417	1/1/1987	10/24/2018
0674	ALCRYN	Japan	1,830,038	12/25/1985	12/25/2015
0675	ALCRYN	Japan	2,379,390	2/28/1992	2/28/2022
0676	ALCRYN	U.S.	1,296,199	9/18/1984	9/18/2014
0681	ALCRYN	Singapore	4660/88	5/7/1990	8/29/2015
0682	ALCRYN	South Korea	105,879	10/12/1984	10/12/2014
0683	ALCRYN	Norway	128189	3/26/1987	3/26/2017
0687	ALCRYN	Yugoslavia	29167	8/23/1986	8/23/2016
0689	ALCRYN	Taiwan	240,790	4/1/1984	4/1/2014
0690	ALCRYN	Switzerland	328,706	10/18/1983	10/18/2023
0691	ALCRYN	Mexico	334,414	10/22/1987	2/23/2022

0699	ALCRYN	EU-CTM	1,462,621	12/15/2000	1/7/2020
0711	DURAGRIP	U.S.	2,900,560	11/2/2004	11/2/2014
35506	DURACRYN	U.S.	(85/534390)	(2/6/2012)	NA
0603	GAPEX	U.S.	1,952,736	1/30/1996	1/30/2016
12038	RXLOY	U.S.	1,855,044	9/20/1994	9/20/2014
12039	OPTUM	U.S.	1,837,616	5/31/1994	5/31/2014
12079	FERREX	U.S.	1,384,866	3/4/1986	3/4/2016
14807	EFFAR	U.S.	2,988,044	8/23/2005	8/23/2015
0625	CORDOBOND	U.K.	2,054,756	1/30/1996	1/30/2016
0629	CORDOBOND	Indonesia	IDM000068588	9/26/1997	8/28/2016
0650	SUPERSHIELD	U.S.	2,510,833	11/20/2001	11/20/2021
10472	CORDOBOND	Australia	A503,153	1/17/1989	1/17/2016
10543	CORDOBOND	Canada	369,339	6/8/1990	6/8/2020
10560	CORDOBOND	China	525658	8/10/1990	8/10/2020
10597	CORDOBOND	EastGermany	650,060	3/25/1992	6/30/2020
10602	STRONGBACKBOND	Greece	93798	5/17/1989	5/17/2019
10608	CORDOBOND	Hong Kong	3042/1990	10/6/1988	10/6/2019
10614	CORDOBOND	Hungary	131,588	10/3/1990	10/3/2020
10619	CORDOBOND	India	505,362	2/14/1989	2/14/2020
10655	CORDOBOND	Japan	2,454,098	9/30/1992	9/30/2022
10685	CORDOBOND	South Korea	182,941	11/10/1989	11/10/2019
10744	CORDOBOND	Poland	69,517	10/22/1990	10/22/2020
10752	STRONGBACKBOND	Portugal	256,633	11/24/1992	11/24/2022
10765	CORDOBOND	Singapore	T89/01592I	3/17/1989	3/17/2016
10766	CORDOBOND	Singapore	T89/01591J	3/17/1989	3/17/2016
10843	STRONGBACKBOND	Spain	1,308,351	5/16/1991	3/13/2019

10877	CORDOBOND	Taiwan	949,082	7/16/2001	7/15/2021
10916	CORDOBOND	Russia	96,946	6/24/1991	10/19/2020
11042	CORDOBOND	Denmark	VR 199210242	11/6/1992	11/6/2022
11043	CORDOBOND	Greece	112,523	12/19/1995	2/1/2023
11044	CORDOBOND	Mexico	415,769	6/9/1992	3/2/2022
11051	CORDOBOND	Malaysia	92/05839	8/18/1999	8/18/2019
11052	CORDOBOND	Thailand	TM 6150	9/2/2002	9/2/2022
12130	CORDOBOND	U.S.	785,791	3/2/1965	3/2/2015
	ULTRA		Common Law		
	ULTRASHIELD		Common Law		
	NIMEX		Common Law		
0698	PURFICTPURGE	U.S.	2,381,553	8/29/2000	8/29/2020
0698-EM	PURFICTPURGE	EU-CTM	1,295,146	4/10/2001	8/26/2019
0702	EFEX	EU-CTM	1,603,828	5/29/2002	4/6/2020
0649	COLORGUARD	U.S.	2,419,622	1/9/2001	1/9/2021
35797	INNOVEX	U.S.	(85/613,044)	(5/1/2012)	
35797.01	INNOVEX	EU-CTM	011301983	3/27/2013	10/29/2022