

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM313813

| | |
|------------------------------|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | RELEASE OF SECURITY INTEREST IN TRADEMARK COLLATERAL (RELEASES RF 4269/0926) |
| SEQUENCE: | 5 |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|--|----------|----------------|-------------------------------------|
| PNC Bank National Association (as successor-by-merger to National City Bank) | | 07/31/2014 | National Association: UNITED STATES |

RECEIVING PARTY DATA

| | |
|------------------------|----------------------|
| Name: | Ferro Corporation |
| Street Address: | 1000 LAKESIDE AVENUE |
| City: | CLEVELAND |
| State/Country: | OHIO |
| Postal Code: | 44114 |
| Entity Type: | CORPORATION: OHIO |

PROPERTY NUMBERS Total: 43

| Property Type | Number | Word Mark |
|----------------------|---------|-------------|
| Registration Number: | 2988075 | ACE |
| Registration Number: | 1393723 | ALOX |
| Registration Number: | 1221372 | AMERICAL |
| Registration Number: | 1041567 | CATA-CHEK |
| Registration Number: | 0839806 | CE-RITE |
| Registration Number: | 2438817 | CERMARK |
| Registration Number: | 2597392 | CERMARK |
| Registration Number: | 2581488 | CERMARK |
| Registration Number: | 2444691 | CERMARK |
| Registration Number: | 1004166 | CONDUCTROX |
| Registration Number: | 2711906 | COOL COLORS |
| Registration Number: | 0710108 | |
| Registration Number: | 0794281 | |
| Registration Number: | 0419066 | |
| Registration Number: | 2845284 | ECLIPSE |
| Registration Number: | 3664035 | EVOLUTION |

TRADEMARK

| Property Type | Number | Word Mark |
|----------------------|---------|------------|
| Registration Number: | 0545912 | FERRO |
| Registration Number: | 0549848 | FERRO |
| Registration Number: | 0684616 | FERRO |
| Registration Number: | 1382917 | FERROCON |
| Registration Number: | 1280330 | FERROFLEX |
| Registration Number: | 1382918 | FERROFLO |
| Registration Number: | 1455961 | FERROPAK |
| Registration Number: | 1836504 | GEODE |
| Registration Number: | 3207819 | LENSMAX |
| Registration Number: | 1011327 | MICRO-CHEK |
| Registration Number: | 0923047 | MIRAMAX |
| Registration Number: | 1779957 | PDI |
| Registration Number: | 1105842 | PERC |
| Registration Number: | 1045181 | PLAS-CHEK |
| Registration Number: | 3559830 | RUFLUX |
| Registration Number: | 0265127 | SANTICIZER |
| Registration Number: | 1048383 | SATINAL |
| Registration Number: | 1112060 | SPECTRAFLO |
| Registration Number: | 3655259 | SURESTOP |
| Registration Number: | 3844868 | SURESTOP |
| Registration Number: | 2674257 | SYNPRO |
| Registration Number: | 1041570 | THERM-CHEK |
| Registration Number: | 0812789 | TIZOX |
| Registration Number: | 3655260 | TRUPLANE |
| Registration Number: | 1063622 | UV-CHEK |
| Registration Number: | 0781180 | VIBROXIDE |
| Registration Number: | 0708245 | ZOX |

CORRESPONDENCE DATA

Fax Number: 7147558290
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: 714-540-1235
Email: ipdocket@lw.com
Correspondent Name: LATHAM & WATKINS LLP
Address Line 1: 650 TOWN CENTER DRIVE, SUITE 2000
Address Line 4: COSTA MESA, CALIFORNIA 92626

| | |
|-------------------------|-------------|
| ATTORNEY DOCKET NUMBER: | 030786-0429 |
| NAME OF SUBMITTER: | Anna T Kwan |
| SIGNATURE: | /atk/ |

TRADEMARK

| | |
|---------------------|------------|
| DATE SIGNED: | 08/12/2014 |
|---------------------|------------|

Total Attachments: 12

- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page1.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page2.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page3.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page4.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page5.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page6.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page7.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page8.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page9.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page10.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page11.tif
- source=Release of Security Interest in Trademarks (Ferro et al) (2)#page12.tif

**RELEASE OF SECURITY INTEREST
IN TRADEMARK COLLATERAL**

This RELEASE, dated as of July 31, 2014, is made by PNC Bank National Association (as successor-by-merger to National City Bank) (“PNC”), in favor of Ferro Corporation, Ferro Electronic Materials Inc. and Ferro Color & Glass Corporation (collectively, the “Borrowers”) as follows:

WITNESSETH

WHEREAS, pursuant to those certain Loan and Security Agreement, dated as of April 19, 2006 (as amended, supplemented, replaced or otherwise modified from time to time) (the “Security Agreement”), the Borrowers granted the Agent, for the ratable benefit of the Secured Parties, a security interest in all of the Borrower’s right, title and interest in the Trademark Collateral, including the issued trademarks set forth on Schedules A-P;

WHEREAS, the Security Agreement dated April 19, 2006 granted to National City Bank by Ferro Electronic Materials Inc. was recorded with the United States Patent and Trademark Office (“USPTO”) on April 25, 2006 at Reel/Frame 3296/0859 for those trademarks listed on Schedule A;

WHEREAS, the Security Agreement dated June 6, 2006 granted to National City Bank by Ferro Electronic Materials Inc. was recorded with the USPTO on June 7, 2006 at Reel/Frame 3323/0164 for those trademarks listed on Schedule B;

WHEREAS, the Amended and Restated Trademark Security Agreement dated August 24, 2010 granted to PNC Bank National Association (as successor-by-merger to National City Bank) by Ferro Electronic Materials Inc. was recorded with the USPTO on August 30, 2010 at Reel/Frame 4270/0001 for those trademarks listed on Schedule C;

WHEREAS, the Security Agreement dated April 19, 2006 granted to National City Bank by Ferro Color & Glass Corporation was recorded with the USPTO on April 25, 2006 at Reel/Frame 3296/0868 for those trademarks listed on Schedule D;

WHEREAS, the Security Agreement dated June 6, 2006 granted to National City Bank by Ferro Color & Glass Corporation was recorded with the USPTO on June 7, 2006 at Reel/Frame 3323/0203 for those trademarks listed on Schedule E;

WHEREAS, the After-Acquired Intellectual Property Security Agreement (First Supplemental Filing) dated March 31, 2009 granted to National City Bank by Ferro Color & Glass Corporation was recorded with the USPTO on April 2, 2009 at Reel/Frame 3969/0530 for those trademarks listed on Schedule F;

WHEREAS, the Security Agreement dated April 19, 2006 granted to National City Bank by Ferro Corporation was recorded with the USPTO on April 25, 2006 at Reel/Frame 3296/0477 for those trademarks listed on Schedule G;

WHEREAS, the Security Agreement dated June 6, 2006 granted to National City Bank by Ferro Corporation was recorded with the USPTO on June 7, 2006 at Reel/Frame 3323/0286 for those trademarks listed on Schedule H;

WHEREAS, the After-Acquired Intellectual Property Security Agreement (First Supplemental Filing) dated March 31, 2009 granted to National City Bank by Ferro Corporation was recorded with the USPTO on April 2, 2009 at Reel/Frame 3969/0847 for those trademarks listed on Schedule I;

WHEREAS, the After-Acquired Intellectual Property Security Agreement (Second Supplemental Filing) dated July 23, 2010 granted to PNC Bank, National Association (as successor-by-merger to National City Bank) by Ferro Corporation was recorded with the USPTO on August 6, 2010 at Reel/Frame 4256/0310 for those trademarks listed on Schedule J;

WHEREAS, the Amended and Restated Trademark Security Agreement dated August 24, 2010 granted to PNC Bank National Association (as successor-by-merger to National City Bank) by Ferro Corporation was recorded with the USPTO on August 30, 2010 at Reel/Frame 4269/0926 for those trademarks listed on Schedule K;

WHEREAS, Borrowers requested that the Agent release its security interest in all right, title and interest of the Agent in the Trademark Collateral and reconvey any and all rights it may have in the Trademark Collateral to the Borrowers.


NOW, THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged:

SECTION 1. The Agent hereby: (i) terminates, cancels, discharges, and releases its security interest in all of the Borrowers' right, title and interest in the Trademark Collateral; and (ii) assigns to the Borrowers any and all interest it may have in such Trademark Collateral.

SECTION 2. The Agent hereby authorizes the Borrowers, or the Borrower's authorized representatives to: (a) record this Release with USPTO and/or any other applicable governmental office or agency, and (b) file UCC financing statement amendments with the applicable filing office in order to memorialize the release of the security interest of the Agent in the Trademark Collateral. The Agent agrees to execute, acknowledge and deliver any additional documents or instruments and take any additional actions necessary or as may be necessary to effect, record and perfect the release of the Agent's security interest in the Trademark Collateral which had been granted under the respective Security Agreement.

IN WITNESS WHEREOF, PNC Bank National Association has caused this Release to be duly executed and delivered by its duly authorized officer as of the date first written above.

PNC Bank, National Association
(as successor-by-merger to National City Bank),
as Agent

By: 
Name: John W. Thompson
Title: SVP

Schedule A

Security Interest granted to National City Bank, as Administrative Agent by Ferro Electronic Materials Inc. dated 4/19/2006 and recorded on 4/25/2006 at Reel/Frame 3296/0859

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|-----------------|----------------------------------|
| TICON | 71511116 18-OCT-1946 | 0433994 04-NOV-1947 | Renewed in 2007 | Ferro Electronic Materials, Inc. |

Schedule B

Security Interest granted to National City Bank, as Collateral Agent by Ferro Electronic Materials Inc. dated 6/6/2006 at Reel/Frame 3323/0164

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|-----------------|----------------------------------|
| TICON | 71511116 18-OCT-1946 | 0433994 04-NOV-1947 | Renewed in 2007 | Ferro Electronic Materials, Inc. |


Schedule C

Amended and Restated Trademark Security Agreement granted to PNC Bank National Association (as successor-by-merger to National City Bank) dated 8/24/2010 and recorded on 8/30/2010 at Reel/Frame 4270/0001

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|-----------------|----------------------------------|
| TICON | 71511116 18-OCT-1946 | 0433994 04-NOV-1947 | Renewed in 2007 | Ferro Electronic Materials, Inc. |


Schedule D

Security Interest granted to National City Bank, as Administrative Agent by Ferro Color & Glass Corporation dated 4/19/2006 and recorded on 4/25/2006 at Reel/Frame 3296/0868

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------------|-------------------------------|-----------------|-------------------|
| CERMARK | 76185459 21-DEC-2000 | 2597392 23-JUL-2002 | Renewed in 2012 | Ferro Corporation |
| CERMARK  | 76185458 21-DEC-2000 | 2581488 18-JUN-2002 | Renewed in 2012 | Ferro Corporation |
| ECLIPSE | 76096129 25-JUL-2000 | 2845284 25-MAY-2004 | Renewed in 2014 | Ferro Corporation |


Schedule E

Security Interest granted to National City Bank, as Collateral Agent by Ferro Color & Glass Corporation dated 6/6/2006 and recorded on 6/7/2006 at Reel/Frame 3323/0203

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------------|-------------------------------|-----------------|-------------------|
| CERMARK | 76185459 21-DEC-2000 | 2597392 23-JUL-2002 | Renewed in 2012 | Ferro Corporation |
| CERMARK  | 76185458 21-DEC-2000 | 2581488 18-JUN-2002 | Renewed in 2012 | Ferro Corporation |
| ECLIPSE | 76096129 25-JUL-2000 | 2845284 25-MAY-2004 | Renewed in 2014 | Ferro Corporation |


Schedule F

After-Acquired Intellectual Property Security Agreement (First Supplemental Filing) granted to National City Bank, as Collateral Agent by Ferro Color & Glass Corporation dated 3/31/2009 and recorded on 4/2/2009 at Reel/Frame 3969/0530


| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------------|-------------------------------|-----------------|-------------------|
| CERMARK | 75393958 21-NOV-1997 | 2438817 27-MAR-2001 | Renewed in 2011 | Ferro Corporation |
| CERMARK  | 75405646 15-DEC-1997 | 2444691 17-APR-2001 | Renewed in 2011 | Ferro Corporation |

Schedule G

Security Interest granted to National City Bank, as Administrative Agent by Ferro Corporation dated 4/19/2006 and recorded on 4/25/2006 at Reel/Frame 3296/0477



| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|---|-------------------------------|-------------------------------|-----------------|-------------------|
| ACE | 78264616 19-JUN-2003 | 2988075 23-AUG-2005 | Registered | Ferro Corporation |
| ALOX | 73562656 10-OCT-1985 | 1393723 20-MAY-1986 | Renewed in 2006 | Ferro Corporation |
| AMERICAL  | 73309699 11-MAY-1981 | 1221372 28-DEC-1982 | Renewed in 2012 | Ferro Corporation |
| CATA-CHEK | 73068310 07-NOV-1975 | 1041567 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |
| CE-RITE | 72252139 10-AUG-1966 | 0839806 05-DEC-1967 | Renewed in 2007 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------|------------------------|-----------------|-------------------|
| CONDUCTROX | 73030870 30-AUG-1974 | 1004166 11-FEB-1975 | Renewed in 2005 | Ferro Corporation |
| COOL COLORS | 76220988 07-MAR-2001 | 2711906 29-APR-2003 | Renewed in 2013 | Ferro Corporation |
| Design Only  | 72063815 08-DEC-1958 | 0710108 24-JAN-1961 | Renewed in 2010 | Ferro Corporation |
| Design Only  | 72200837 28-AUG-1964 | 0794281 17-AUG-1965 | Renewed in 2008 | Ferro Corporation |
| Design Only  | 71473776 31-AUG-1944 | 0419066 05-FEB-1946 | Renewed in 2005 | Ferro Corporation |
| FERRO | 71585519 29-SEP-1949 | 0545912 31-JUL-1951 | Renewed in 2011 | Ferro Corporation |
| FERRO | 71585520 29-SEP-1949 | 0549848 23-OCT-1951 | Renewed in 2012 | Ferro Corporation |
| FERRO | 72063300 28-NOV-1958 | 0684616 08-SEP-1959 | Renewed in 2009 | Ferro Corporation |
| FERROCON | 73551667 05-AUG-1985 | 1382917 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROFLEX | 73365359 19-MAY-1982 | 1280330 05-JUN-1984 | Renewed in 2014 | Ferro Corporation |
| FERROFLO | 73551682 05-AUG-1985 | 1382918 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROPAK | 73642159 30-JAN-1987 | 1455961 08-SEP-1987 | Renewed in 2007 | Ferro Corporation |
| GEODE | 74348352 14-JAN-1993 | 1836504 17-MAY-1994 | Renewed in 2014 | Ferro Corporation |
| LENSMAX | 78719112 23-SEP-2005 | 3207819 13-FEB-2007 | Registered | Ferro Corporation |
| MICRO-CHEK | 73017680 01-APR-1974 | 1011327 27-MAY-1975 | Renewed in 2005 | Ferro Corporation |
| MIRAMAX | 72371841 24-SEP-1970 | 0923047 02-NOV-1971 | Renewed in 2011 | Ferro Corporation |
| PDI | 74315490 21-SEP-1992 | 1779957 06-JUL-1993 | Renewed in 2013 | Ferro Corporation |
| PERC | 73146902 02-NOV-1977 | 1105842 14-NOV-1978 | Renewed in 2008 | Ferro Corporation |
| PLAS-CHEK | 73068313 07-NOV-1975 | 1045181 03-AUG-1976 | Renewed in 2006 | Ferro Corporation |
| SANTICIZER | 71280931 18-MAR-1929 | 0265127 17-DEC-1929 | Renewed in 2010 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|---|-------------------------|------------------------|-----------------|-------------------|
| SATINAL | 73074664 19-JAN-1976 | 1048383 21-SEP-1976 | Renewed in 2006 | Ferro Corporation |
| SPECTRAFLO | 73160727 03-MAR-1978 | 1112060 30-JAN-1979 | Renewed in 2009 | Ferro Corporation |
| SYNPRO  | 76302885 22-AUG-2001 | 2674257 14-JAN-2003 | Renewed in 2012 | Ferro Corporation |
| THERM-CHEK | 73068314 07-NOV-1975 | 1041570 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |
| TIZOX | 72195174 08-JUN-1964 | 0812789 16-AUG-1966 | Renewed in 2008 | Ferro Corporation |
| UV-CHEK | 73068309 07-NOV-1975 | 1063622 19-APR-1977 | Renewed in 2008 | Ferro Corporation |
| VIBROXIDE | 72188680 13-MAR-1964 | 0781180 08-DEC-1964 | Renewed in 2004 | Ferro Corporation |
| ZOX | 72091881 29-FEB-1960 | 0708245 13-DEC-1960 | Renewed in 2010 | Ferro Corporation |

Schedule H

Security Interest granted to National City Bank, as Collateral Agent by Ferro Corporation dated 6/6/2006 and dated 6/7/2006 at Reel/Frame 3323/0286

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------|------------------------|-----------------|-------------------|
| ACE | 78264616 19-JUN-2003 | 2988075 23-AUG-2005 | Registered | Ferro Corporation |
| ALOX | 73562656 10-OCT-1985 | 1393723 20-MAY-1986 | Renewed in 2006 | Ferro Corporation |
| AMERICAL  | 73309699 11-MAY-1981 | 1221372 28-DEC-1982 | Renewed in 2012 | Ferro Corporation |
| CATA-CHEK | 73068310 07-NOV-1975 | 1041567 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |
| CE-RITE | 72252139 10-AUG-1966 | 0839806 05-DEC-1967 | Renewed in 2007 | Ferro Corporation |
| CONDUCTROX | 73030870 30-AUG-1974 | 1004166 11-FEB-1975 | Renewed in 2005 | Ferro Corporation |
| COOL COLORS | 76220988 07-MAR-2001 | 2711906 29-APR-2003 | Renewed in 2013 | Ferro Corporation |
| Design Only  | 72063815 08-DEC-1958 | 0710108 24-JAN-1961 | Renewed in 2010 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------|------------------------|-----------------|-------------------|
| Design Only  | 72200837 28-AUG-1964 | 0794281 17-AUG-1965 | Renewed in 2008 | Ferro Corporation |
| Design Only  | 71473776 31-AUG-1944 | 0419066 05-FEB-1946 | Renewed in 2005 | Ferro Corporation |
| FERRO | 71585519 29-SEP-1949 | 0545912 31-JUL-1951 | Renewed in 2011 | Ferro Corporation |
| FERRO | 71585520 29-SEP-1949 | 0549848 23-OCT-1951 | Renewed in 2012 | Ferro Corporation |
| FERRO | 72063300 28-NOV-1958 | 0684616 08-SEP-1959 | Renewed in 2009 | Ferro Corporation |
| FERROCON | 73551667 05-AUG-1985 | 1382917 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROFLEX | 73365359 19-MAY-1982 | 1280330 05-JUN-1984 | Renewed in 2014 | Ferro Corporation |
| FERROFLO | 73551682 05-AUG-1985 | 1382918 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROPAK | 73642159 30-JAN-1987 | 1455961 08-SEP-1987 | Renewed in 2007 | Ferro Corporation |
| GEODE | 74348352 14-JAN-1993 | 1836504 17-MAY-1994 | Renewed in 2014 | Ferro Corporation |
| LENSMAX | 78719112 23-SEP-2005 | 3207819 13-FEB-2007 | Registered | Ferro Corporation |
| MICRO-CHEK | 73017680 01-APR-1974 | 1011327 27-MAY-1975 | Renewed in 2005 | Ferro Corporation |
| MIRAMAX | 72371841 24-SEP-1970 | 0923047 02-NOV-1971 | Renewed in 2011 | Ferro Corporation |
| PDI | 74315490 21-SEP-1992 | 1779957 06-JUL-1993 | Renewed in 2013 | Ferro Corporation |
| PERC | 73146902 02-NOV-1977 | 1105842 14-NOV-1978 | Renewed in 2008 | Ferro Corporation |
| PLAS-CHEK | 73068313 07-NOV-1975 | 1045181 03-AUG-1976 | Renewed in 2006 | Ferro Corporation |
| SANTICIZER | 71280931 18-MAR-1929 | 0265127 17-DEC-1929 | Renewed in 2010 | Ferro Corporation |
| SATINAL | 73074664 19-JAN-1976 | 1048383 21-SEP-1976 | Renewed in 2006 | Ferro Corporation |
| SPECTRAFLO | 73160727 03-MAR-1978 | 1112060 30-JAN-1979 | Renewed in 2009 | Ferro Corporation |
| SYNPRO  | 76302885 22-AUG-2001 | 2674257 14-JAN-2003 | Renewed in 2012 | Ferro Corporation |
| THERM-CHEK | 73068314 07-NOV-1975 | 1041570 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|-----------------|-------------------|
| TIZOX | 72195174 08-JUN-1964 | 0812789 16-AUG-1966 | Renewed in 2008 | Ferro Corporation |
| UV-CHEK | 73068309 07-NOV-1975 | 1063622 19-APR-1977 | Renewed in 2008 | Ferro Corporation |
| VIBROXIDE | 72188680 13-MAR-1964 | 0781180 08-DEC-1964 | Renewed in 2004 | Ferro Corporation |
| ZOX | 72091881 29-FEB-1960 | 0708245 13-DEC-1960 | Renewed in 2010 | Ferro Corporation |

Schedule I

After-Acquired Intellectual Property Security Agreement (First Supplemental Filing) granted to National City Bank, as Collateral Agent by Ferro Corporation dated 3/31/2009 and recorded on 4/2/2009 at Reel/Frame 3969/0847

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|---------------|-------------------|
| RUFLUX | 77342206 03-DEC-2007 | 3559830 13-JAN-2009 | Registered | Ferro Corporation |

Schedule J

After-Acquired Intellectual Property Security Agreement (Second Supplemental Filing) granted to PNC Bank, National Association (as successor-by-merger to National City Bank), as Collateral Agent by Ferro Corporation dated 7/23/2010 and recorded on 8/6/2010 at Reel/Frame 4256/0310

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|---------------|-------------------|
| EVOLUTION | 77031862 30-OCT-2006 | 3664035 04-AUG-2009 | Registered | Ferro Corporation |
| SURESTOP | 77205209 13-JUN-2007 | 3655259 14-JUL-2009 | Registered | Ferro Corporation |
| TRUPLANE | 77205214 13-JUN-2007 | 3655260 14-JUL-2009 | Registered | Ferro Corporation |

Schedule K

Amended and Restated Trademark Security Agreement granted to PNC Bank National Association (as successor-by-merger to National City Bank) dated 8/24/2010 and recorded on 8/30/2010 at Reel/Frame 4269/0926

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|--|-------------------------------|-------------------------------|-----------------|-------------------|
| ACE | 78264616 19-JUN-2003 | 2988075 23-AUG-2005 | Registered | Ferro Corporation |
| ALOX | 73562656 10-OCT-1985 | 1393723 20-MAY-1986 | Renewed in 2006 | Ferro Corporation |
| AMERICAL  | 73309699 11-MAY-1981 | 1221372 28-DEC-1982 | Renewed in 2012 | Ferro Corporation |
| CATA-CHEK | 73068310 07-NOV-1975 | 1041567 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |
| CE-RITE | 72252139 10-AUG-1966 | 0839806 05-DEC-1967 | Renewed in 2007 | Ferro Corporation |
| CERMARK | 75393958 21-NOV-1997 | 2438817 27-MAR-2001 | Renewed in 2011 | Ferro Corporation |
| CERMARK | 76185459 21-DEC-2000 | 2597392 23-JUL-2002 | Renewed in 2012 | Ferro Corporation |
| CERMARK  | 76185458 21-DEC-2000 | 2581488 18-JUN-2002 | Renewed in 2012 | Ferro Corporation |
| CERMARK  | 75405646 15-DEC-1997 | 2444691 17-APR-2001 | Renewed in 2011 | Ferro Corporation |
| CONDUCTROX | 73030870 30-AUG-1974 | 1004166 11-FEB-1975 | Renewed in 2005 | Ferro Corporation |
| COOL COLORS | 76220988 07-MAR-2001 | 2711906 29-APR-2003 | Renewed in 2013 | Ferro Corporation |
| Design Only  | 72063815 08-DEC-1958 | 0710108 24-JAN-1961 | Renewed in 2010 | Ferro Corporation |
| Design Only  | 72200837 28-AUG-1964 | 0794281 17-AUG-1965 | Renewed in 2008 | Ferro Corporation |
| Design Only  | 71473776 31-AUG-1944 | 0419066 05-FEB-1946 | Renewed in 2005 | Ferro Corporation |
| ECLIPSE | 76096129 25-JUL-2000 | 2845284 25-MAY-2004 | Renewed in 2014 | Ferro Corporation |
| EVOLUTION | 77031862 30-OCT-2006 | 3664035 04-AUG-2009 | Registered | Ferro Corporation |
| FERRO | 71585519 29-SEP-1949 | 0545912 31-JUL-1951 | Renewed in 2011 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|---|-------------------------------|-------------------------------|-----------------|-------------------|
| FERRO | 71585520 29-SEP-1949 | 0549848 23-OCT-1951 | Renewed in 2012 | Ferro Corporation |
| FERRO | 72063300 28-NOV-1958 | 0684616 08-SEP-1959 | Renewed in 2009 | Ferro Corporation |
| FERROCON | 73551667 05-AUG-1985 | 1382917 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROFLEX | 73365359 19-MAY-1982 | 1280330 05-JUN-1984 | Renewed in 2014 | Ferro Corporation |
| FERROFLO | 73551682 05-AUG-1985 | 1382918 18-FEB-1986 | Renewed in 2005 | Ferro Corporation |
| FERROPAK | 73642159 30-JAN-1987 | 1455961 08-SEP-1987 | Renewed in 2007 | Ferro Corporation |
| GEODE | 74348352 14-JAN-1993 | 1836504 17-MAY-1994 | Renewed in 2014 | Ferro Corporation |
| LENSMAX | 78719112 23-SEP-2005 | 3207819 13-FEB-2007 | Registered | Ferro Corporation |
| MICRO-CHEK | 73017680 01-APR-1974 | 1011327 27-MAY-1975 | Renewed in 2005 | Ferro Corporation |
| MIRAMAX | 72371841 24-SEP-1970 | 0923047 02-NOV-1971 | Renewed in 2011 | Ferro Corporation |
| PDI | 74315490 21-SEP-1992 | 1779957 06-JUL-1993 | Renewed in 2013 | Ferro Corporation |
| PERC | 73146902 02-NOV-1977 | 1105842 14-NOV-1978 | Renewed in 2008 | Ferro Corporation |
| PLAS-CHEK | 73068313 07-NOV-1975 | 1045181 03-AUG-1976 | Renewed in 2006 | Ferro Corporation |
| RUFLUX | 77342206 03-DEC-2007 | 3559830 13-JAN-2009 | Registered | Ferro Corporation |
| SANTICIZER | 71280931 18-MAR-1929 | 0265127 17-DEC-1929 | Renewed in 2010 | Ferro Corporation |
| SATINAL | 73074664 19-JAN-1976 | 1048383 21-SEP-1976 | Renewed in 2006 | Ferro Corporation |
| SPECTRAFLO | 73160727 03-MAR-1978 | 1112060 30-JAN-1979 | Renewed in 2009 | Ferro Corporation |
| SURESTOP | 77205209 13-JUN-2007 | 3655259 14-JUL-2009 | Registered | Ferro Corporation |
| SURESTOP | 77928132 04-FEB-2010 | 3844868 07-SEP-2010 | Registered | Ferro Corporation |
| SYNPRO  | 76302885 22-AUG-2001 | 2674257 14-JAN-2003 | Renewed in 2012 | Ferro Corporation |
| THERM-CHEK | 73068314 07-NOV-1975 | 1041570 22-JUN-1976 | Renewed in 2006 | Ferro Corporation |
| TIZOX | 72195174 08-JUN-1964 | 0812789 16-AUG-1966 | Renewed in 2008 | Ferro Corporation |

| Trademark | App. No. App. Date | Reg. No. Reg. Date | Status | Owner |
|------------------|-------------------------------|-------------------------------|-----------------|-------------------|
| TRUPLANE | 77205214 13-JUN-2007 | 3655260 14-JUL-2009 | Registered | Ferro Corporation |
| UV-CHEK | 73068309 07-NOV-1975 | 1063622 19-APR-1977 | Renewed in 2008 | Ferro Corporation |
| VIBROXIDE | 72188680 13-MAR-1964 | 0781180 08-DEC-1964 | Renewed in 2004 | Ferro Corporation |
| ZOX | 72091881 29-FEB-1960 | 0708245 13-DEC-1960 | Renewed in 2010 | Ferro Corporation |