

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
FERRO CORPORATION	06/06/2006

RECEIVING PARTY DATA

Name:	J.P. MORGAN TRUST COMPANY, NATIONAL ASSOCIATION, AS TRUSTEE
Street Address:	One Oxford Center
Internal Address:	301 Grant Street, Suite 1100
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15219

PROPERTY NUMBERS Total: 175

Property Type	Number
Patent Number:	5451628
Patent Number:	6984597
Patent Number:	6814795
Patent Number:	6858266
Patent Number:	6838494
Patent Number:	5624968
Patent Number:	5457139
Patent Number:	6110559
Patent Number:	5678168
Patent Number:	5464564
Patent Number:	5345212
Patent Number:	6759474
Patent Number:	6911492
Patent Number:	6831027

PATENT

500115677

REEL: 017794 FRAME: 0411

OP \$7000.00 5451628

Patent Number:	6997018
Patent Number:	6942829
Patent Number:	6982864
Patent Number:	6811722
Patent Number:	6818030
Patent Number:	6936556
Patent Number:	5552185
Patent Number:	6855741
Patent Number:	6730815
Patent Number:	6740254
Patent Number:	6346493
Patent Number:	6348425
Patent Number:	6726858
Patent Number:	6723399
Patent Number:	5157067
Patent Number:	5308395
Patent Number:	5317059
Patent Number:	5278231
Patent Number:	5336312
Patent Number:	5601889
Patent Number:	5228910
Patent Number:	5397830
Patent Number:	5334412
Patent Number:	5274035
Patent Number:	5361187
Patent Number:	5316570
Patent Number:	5252521
Patent Number:	5326591
Patent Number:	5264280
Patent Number:	5385781
Patent Number:	5306674
Patent Number:	5399597
Patent Number:	5698163
Patent Number:	5358670
Patent Number:	5422190

Patent Number:	5395456
Patent Number:	5714246
Patent Number:	5443768
Patent Number:	5843524
Patent Number:	5725919
Patent Number:	5969027
Patent Number:	5549929
Patent Number:	5661882
Patent Number:	5688867
Patent Number:	5874503
Patent Number:	5599757
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Patent Number:	5998037
Patent Number:	6132832
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Patent Number:	6174360
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Patent Number:	5153150
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Patent Number:	4627993
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Patent Number:	6616514
Application Number:	10749726
Application Number:	11234626
Application Number:	10996918
Application Number:	10194943
Application Number:	10606945
Application Number:	11091691
Application Number:	10668615
Application Number:	10421661
Application Number:	10884007
Application Number:	11012897
Application Number:	10444104
Application Number:	10917829
Application Number:	10680872
Application Number:	10668041
Application Number:	10864304
Application Number:	10732903
Application Number:	10851684
Application Number:	11201278
Application Number:	10881337
Application Number:	10498222
Application Number:	10988208
Application Number:	10823381
Application Number:	11164558
Application Number:	11115946
Application Number:	11115945
Application Number:	10979864
Application Number:	11131919
Application Number:	11162337
Application Number:	60657020

Application Number:	11344950
Application Number:	11164904
Application Number:	11107358
Application Number:	60680366
Application Number:	11113823
Application Number:	11196782
Application Number:	60717096
Application Number:	11102555
Application Number:	11138769
Application Number:	11113996
Application Number:	60721477
Application Number:	11138905
Application Number:	11145538
Application Number:	11211133
Application Number:	11160573
Application Number:	11160574
Application Number:	11283530
Application Number:	11304993
Application Number:	11235656
Application Number:	11384838
Application Number:	11387142

CORRESPONDENCE DATA

Fax Number: (312)701-7711

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 312-701-7237

Email: cdore@mayerbrownrowe.com

Correspondent Name: Christopher Dore

Address Line 1: 71 S. Wacker Drive

Address Line 2: Mayer Brown Rowe & Maw LLP

Address Line 4: Chicago, ILLINOIS 60606-4637

NAME OF SUBMITTER:

Christopher Dore

Total Attachments: 18

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PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT, dated as of June 6, 2006 (this "Agreement"), is made by FERRO CORPORATION, an Ohio corporation (the "Grantor"), in favor of J.P. MORGAN TRUST COMPANY, NATIONAL ASSOCIATION, as trustee (together with its successor(s) thereto in such capacity, the "Trustee") for the benefit of the Trustee and the Holders under the Indentures (collectively, the "Secured Parties").

WITNESSETH:

WHEREAS, this Agreement is made pursuant to Section 1008 of (i) that certain Indenture dated as of May 1, 1993 between the Grantor and the Trustee (successor-in-interest to Society National Bank), as the same may be amended, supplemented, amended and restated or otherwise modified from time to time, and (b) that certain Indenture dated as of March 25, 1998, between the Grantor and the Trustee (successor-in-interest to Chase Manhattan Trust Company, National Association), as the same may be amended, supplemented, amended and restated or otherwise modified from time to time (each an "Indenture" and, collectively, the "Indentures");

WHEREAS, in connection with the Indentures, the Grantor has executed and delivered a Pledge and Security Agreement, dated as of June 6, 2006 (as amended, supplemented, amended and restated or otherwise modified from time to time, the "Security Agreement");

WHEREAS, pursuant to the Indentures and pursuant to clause (e) of Section 4.5 of the Security Agreement, the Grantor is required to execute and deliver this Agreement and to grant to the Trustee a continuing security interest in all of the Patent Collateral (as defined below) to secure all Secured Obligations; and

WHEREAS, the Grantor has duly authorized the execution, delivery and performance of this Agreement; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees, for the benefit of the Trustee, on behalf of the Secured Parties, as follows:

SECTION 1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided in the Security Agreement.

SECTION 2. Grant of Security Interest. The Grantor hereby assigns, pledges, hypothecates, charges, mortgages, delivers, and transfers to the Trustee, for the benefit of the Secured Parties, and hereby grants to the Trustee, for the benefit of the Secured Parties, a continuing security interest in all of the following property, whether now or hereafter existing or acquired by the Grantor (the "Patent Collateral");

(a) all of its letters patent and applications for letters patent throughout the world, including all patent applications in preparation for filing and each patent and patent application referred to in Item A of Schedule I attached hereto;

(b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the items described in clause (a);

(c) all of its patent licenses, and other agreements providing the Grantor with the right to use any items of the type referred to in clauses (a) and (b) above, including each patent license referred to in Item B of Schedule I attached hereto; and

(d) all Proceeds of, and rights associated with, the foregoing (including license royalties and Proceeds of infringement suits), the right to sue third parties for past, present or future infringements of any patent or patent application, and for breach or enforcement of any patent license.

SECTION 3. Security Agreement. This Agreement has been executed and delivered by the Grantor for the purpose of registering the security interest of the Trustee in the Patent Collateral with the United States Patent and Trademark Office and corresponding offices in other countries of the world. The security interest granted hereby has been granted as a supplement to, and not in limitation of, the security interest granted to the Trustee under the Security Agreement. The Security Agreement (and all rights and remedies of the Trustee thereunder) shall remain in full force and effect in accordance with its terms.

SECTION 4. Release of Liens. Upon (i) the Disposition of Patent Collateral in accordance with Indentures or the Credit Agreement or (ii) the occurrence of the Termination Date, the security interests granted herein shall automatically terminate with respect to (A) such Patent Collateral (in the case of clause (i)) or (B) all Patent Collateral (in the case of clause (ii)). Upon any such Disposition or termination, the Trustee will, at the Grantor's sole expense, deliver to the Grantor, without any representations, warranties or recourse of any kind whatsoever, all Patent Collateral held by the Trustee hereunder, and execute and deliver to the Grantor such Documents as the Grantor shall reasonably request to evidence such termination.

SECTION 5. Acknowledgment. The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Trustee with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein.

SECTION 6. Intentionally Omitted.

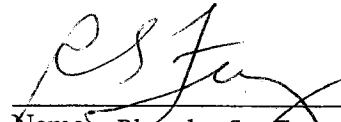
SECTION 7. Counterparts. This Agreement may be executed by the parties hereto in several counterparts, each of which shall be deemed to be an original and all of which shall constitute together but one and the same agreement.

* * * * *

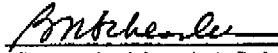
IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be duly executed and delivered as of the date first above written.

FERRO CORPORATION

By:


Name: Rhonda S. Ferguson
Title: Assistant Secretary

J.P. MORGAN TRUST COMPANY, NATIONAL
ASSOCIATION,
as Trustee

By: 
Name: Bridget M. Schessler
Title: Vice President

SCHEDULE I
to Patent Security Agreement

Item A. Patents

Issued Patents

<u>Country</u>	<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor(s)</u>	<u>Title</u>
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SEE ATTACHED

Pending Patent Applications

<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>	<u>Title</u>
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SEE ATTACHED

Patent Applications in Preparation

<u>Country</u>	<u>Docket No.</u>	<u>Expected Filing Date</u>	<u>Inventor(s)</u>	<u>Title</u>
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SEE ATTACHED

Item B. Patent Licenses

<u>Country or Territory</u>	<u>Licensor</u>	<u>Licensee</u>	<u>Effective Date</u>	<u>Expiration Date</u>	<u>Subject Matter</u>
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Licensor: Infotonics Technology Center Inc. and Clarkson University

Licensee: Ferro Corporation

Territory: Worldwide

Effective Date: March 1, 2006

Expiration Date: Perpetual

Subject Matter: Royalty bearing license concerning Clarkson developed polishing technology.

Licensor: Ferro Corporation

Licensee: Ferro Industrial Products (Proprietary) Limited

Territory: South Africa and related South Africa territories.

Effective Date: January 1, 1991

Expiration Date: Second renewal term ending December 31, 2015.

Subject Matter: Technology and technical assistance agreement concerning a wide range of Ferro technologies.

14034	United States	Discoloration Resistant Polypropylene Blend	Issued Taxes Due	1/18/2003	10/345888	6811492	6/28/2005	Ferro Corporation
14135	United States	Benzene Phosphinic Acid with Improved Flowability	On File	10/606945	6/26/2003			Ferro Corporation
14169	United States	Composition For Oxide CMP In CMOS Device	On File	11/091891	3/29/2005			Ferro Corporation
14205	United States	Impact Modified Polyolefin Compositions	On File	10/668615	9/23/2003			Ferro Corporation
14207	United States	Porcelain Enamel Having Metallic Appearance	Issued Taxes Due	10/274835	10/21/2002	6831027	12/14/2004	Ferro Corporation
14286	United States	Method of Making Barium Titanate	Issued Taxes Due	10/421376	4/23/2003	7001585	2/21/2006	Ferro Corporation
14683	United States	Multilayer Polymer Structure	On File	10/421661	4/23/2003			Ferro Corporation
14746.000	United States	Method of Micro and Nano Texturing Glass	Issued Taxes Due	10/452845	6/2/2003	6897018	2/14/2008	Ferro Corporation
14754	United States	Polymer-Wood Composites and Additive Systems	Issued Taxes Due	10/426943	4/30/2003	6942829	9/13/2005	Ferro Corporation
14785.001	United States	Low Gloss Olefin	On File	10/894007	7/2/2004			Ferro Corporation
14787	United States	Thermoplastic Olefin Compositions And Injection Molded Articles Made Thereof	On File	11/012897	12/15/2004			Ferro Corporation
14780	United States	Slurry Composition and Method of Use	On File	10/444104	5/22/2003			Ferro Corporation
14931	United States	Inorganic Pigments	Issued Taxes Due	10/649317	8/27/2003	7014701	3/21/2006	Ferro Corporation
14932.001	United States	Method of Removing Spectator Ions From Aqueous Suspensions of Solid Particles	On File	10/917829	8/13/2004			Ferro Corporation-The Penn State Research Foundation
14935	United States	NANOSIZED SILVER OXIDE POWDER	On File	10/680872	10/7/2003			Ferro Corporation
15009	United States	Impact Modified Thermoplastic Olefin Compositions	On File	10/668041	8/22/2003			Ferro Corporation
15088	United States	LEAD-FREE AND CADMIUM-FREE CONDUCTIVE	On File	10/864304	6/9/2004			Ferro Corporation

15138	United States	TRANSPARENT TILE GLAZE	On File	10/732903	12/10/2003		Ferro Corporation
15189	United States	SYNTHESIS OF CHEMICALLY REACTIVE CERIA	On File	10/851684	5/21/2004		Ferro Corporation
15185	United States	Copper Termination Inks Containing Lead Free And Cadmium Free Glasses For Capacitors	Issued Taxes Due	10/864309	6/9/2004	6982864	Ferro Corporation
15185.003	United States	Copper Termination Inks Containing Lead Free And Cadmium Free Glasses For Capacitors	On File	11/201278	8/10/2005		Ferro Corporation
15186	United States	Method of Making Glymes	On File	10/881337	6/30/2004		Ferro Corporation
15308	United States	Precious Metal Preparation Capable Of Radiation Curing, Transfers Confining The Former and Method of Decorating	On File	10/489222	3/1/2004		Ferro Corporation
15394	United States	METHOD OF MAKING SOLAR CELL CONTACTS	On File	10/988208	11/12/2004		Ferro Corporation
15394.001	United States	METHOD OF MAKING SOLAR CELL CONTACTS	On File	94139862	11/10/2005		Ferro Corporation
15402	United States	Talc Filled Polymer Blend Having Metallic Effect	On File	10/823381	4/13/2004		Ferro Corporation
15428	United States	Method Of Making Front Contacts For Solar Cells	In Preparation				Ferro Corporation
15435	United States	LEAD AND CADMIUM FREE RESISTOR PASTES	In Preparation				Ferro Corporation
15494	United States	Polymer Compositions Comprising Polyolefins And Reaction Products Of A Polyolefin And An Unsaturated Carboxylic Reagent And Articles Made Therefrom	Issued Taxes Due	10/041056	1/7/2002	7026391	Ferro Corporation
15516	United States	Enhanced Sound Dampening Additives	In Preparation				Ferro Corporation
15518	United States	Ether-Ester Plasticizers	On File	11/164558	11/29/2005		Ferro Corporation
15592	United States	Structured Self-Cleaning Surfaces And Method Of Forming Same	On File	11/115946	4/27/2005		Ferro Corporation
15593	United States	Process For Structuring Self-Cleaning Glass Surfaces	On File	11/115945	4/27/2005		Ferro Corporation
15596	United States	Wood-Polymer Composites And Additive Systems	On File	10/979864	11/2/2004		Ferro Corporation

15644	United States	METHOD OF MAKING MULTILAYER GLASS	On File	11/131919	5/18/2005	Ferro Corporation
15680	United States	Multilayer Structures Using Tapes On Rigid Substrates	In Preparation			Ferro Corporation
15706	United States	METHODS OF CONTROLLING THE PROPERTIES OF ABRASIVE PARTICLES	On File	11/162337	9/7/2005	Ferro Corporation
15727	United States	Method of Decorating Laminated Glass	On File	60/657020	2/28/2005	Ferro Corporation
15727.001	United States	Method of Decorating Laminated Glass	In Preparation	11/344950	2/1/2006	Ferro Corporation
15768	United States	Process For Making Dibenzozates	In Preparation			Ferro Corporation
15769	United States	Succinate Plasticizer	In Preparation			Ferro Corporation
15821	United States	Thermoplastic Olefin Compositions For Hook-And-Loop Fastener Applications	On File	11/164904	12/9/2005	Ferro Corporation
15850	United States	YSV Dielectric Composition	On File	11/107358	4/15/2005	Ferro Corporation
15854	United States	Method Of Making Barium Titanate Powder	In Preparation			Ferro Corporation
15972	United States	Porcelain Enamel Having A Metallic Appearance	On File	60/680366	5/12/2005	Ferro Corporation
15986	United States	Non-Aqueous Electrolytic Solution	On File	11/113823	4/25/2005	Ferro Corporation
15986.001	United States	Non-Aqueous Electrolytic Solution	On File	8/3/2005	11/196782	Ferro Corporation
15987	United States	Triazine Compounds For Removing Acids And Water	On File	11/138907	5/26/2005	Ferro Corporation
15991	United States	Extended Firing Range Enamels To Produce Frost	On File	60/717096	9/14/2005	Ferro Corporation
16011	United States	Slurry Composition And Method For Polishing Organic Powder-Based Ophthalmic Substrates	On File	11/102555	4/8/2005	Ferro Corporation
16043	United States	NONAQUEOUS ELECTROLYTIC SOLUTION FOR ELECTROCHEMICAL CELL	On File	11/138789	5/26/2005	Ferro Corporation

16054	United States	Non-Aqueous Electrolytic Solution With Mixed Salts	On File	11/113996	4/25/2005	Ferro Corporation
16079.001	United States	COG Dielectric Composition For Use With Nickel	On File	60721477	9/28/2005	Ferro Corporation
16083	United States	Nonaqueous Electrolytic Solution For Electrochemical Cells	On File	11/138905	5/26/2005	Ferro Corporation
16112	United States	Lead Free Solar Cell Contacts	On File	11/145538	6/3/2005	Ferro Corporation
16113	United States	Forehearth Concentrate And Method For The Opalization of Glass	On File	11/211133	8/24/2005	Ferro Corporation
16127	United States	Method For The Preparation Of Alkyl Dialkyl	On File	11/160573	6/29/2005	Ferro Corporation
16128	United States	Methods For The Preparation Of Phosphonic Acid	On File	11/160574	6/29/2005	Ferro Corporation
16186	United States	Flame Process For Producing Cerium Composite	In Preparation			Ferro Corporation
16187	United States	Hydrothermal Synthesis Of Cerium-Titanium Oxide For Use in CMP	On File	11/283530	11/18/2005	Ferro Corporation
16192	United States	Weatherable Glass Fiber Reinforced Polyolefin	On File	11/304993	12/14/2005	Ferro Corporation
16214	United States	COG Dielectric Composition For Use With Copper	On File	11/235656	9/26/2005	Ferro Corporation
16297	United States	Spray On, Air Dry, Removable Sandblast Resist	In Preparation			Ferro Corporation
16356	United States	Low E Conductive Silver Coating	In Preparation			Ferro Corporation
16357	United States	Contact Structure For Solar Cells	In Preparation			Ferro Corporation
16441	United States	Aluminum-Boron Solar Cell Contacts	On File	11/384838	3/20/2006	Ferro Corporation
16480	United States	Synthesis Of Nickel Powders	In Preparation			Ferro Corporation
16482	United States	Stabilized Nonaqueous Electrolytes For Rechargeable Batteries	On File	11/387142	3/22/2006	Ferro Corporation

16488	United States	Slurry For Chemical Mechanical Planarization Of Silicon	In Preparation				Ferro Corporation
0287DIV	United States	GLYCERINTRIESTERPLASTICIZER	Issued Taxes Due	10/683478	10/10/2003	6811722	11/2/2004 Ferro Corporation
0288CIP	United States	Process for Producing Abrasive Particles and Abrasive Particles Produced by Process	Issued Taxes Due	10/255136	9/25/2002	6818030	11/16/2004 Ferro Corporation
0282CIP	United States	Durable Glass Enamel Composition	Issued Taxes Due	10/408737	4/7/2003	6838556	8/30/2005 Ferro Corporation
0283CIP	United States	Electronic Device Having Lead and Cadmium Free Electronic Overglaze Applied	On File	10/431346	5/7/2003		Ferro Corporation
12444DIV	United States	PLASTIC ARTICLE HAVING FLAME RETARDANT PROPERTIES	Issued Taxes Due	08/311243	9/23/1994	5552185	8/3/1996 Ferro Corporation
12445CON	United States	Composition for Use In Flexible Polyurethane Foams	Issued Taxes Due	10/436690	5/13/2003	6855741	2/15/2005 Ferro Corporation

Case Number Status Date of Invention Date of Patent Date of Issuance Date of Assignment

CHEM/GRANT140688B	GRANTED	229938	28-Aug-02	6730815	4-May-04	FERRO CORPORATION	Method of producing glycol ethers
CHEM/POLYMER287	GRANTED	314917	9-Dec-02	6740254	20-May-03	FERRO CORPORATION	Glycerin triester plasticizer
COLO 242	GRANTED	429126	27-Oct-99	6346493	12-Feb-02	FERRO CORPORATION	DECORATIVE GLASS ENAMELS
FRIT 240	GRANTED	602918	23-Jun-00	6348425	19-Feb-02	FERRO CORPORATION	CRYSTALLIZING GLAZE SYSTEM
PLASTICS/FRP278	GRANTED	880546	13-Jun-01	6726858	27-Apr-04	FERRO CORPORATION	Method of forming lenticular sheets
PLASTICS/FRP296	GRANTED	170025	12-Jun-02	6723399	20-Apr-04	FERRO CORPORATION	Medical multilayer film structure
0010	GRANTED	686033	16-Apr-91	5157067	20-Oct-92	FERRO CORPORATION	LIQUID COLORANT/ADDITIVE CONCENTRATE FOR INCORPORATION INTOPLASTICS
0010	GRANTED	878358	4-Jun-92	5308395	3-May-94	FERRO CORPORATION	LIQUID COLORANT/ADDITIVE CONCENTRATE FOR INCORPORATION INTOPLASTICS
0103	GRANTED	912883	13-Jul-92	5317059	31-May-94	FERRO CORPORATION	IMPACT-RESISTANT POLYMER BLENDS OF OLEFIN POLYMERS, POLYAMIDES, AND COMPATIBILIZERS
0105	GRANTED	945511	16-Sep-92	5278231	11-Jan-94	FERRO CORPORATION	IMPACT-RESISTANT POLYMER BLENDS
0111	GRANTED	059732	10-May-93	5336312	9-Aug-94	FERRO CORPORATION	BISMUTH-CONTAINING COLORANTS RADIO FREQUENCY WELDABLE POLYMER ARTICLES
0112	GRANTED	310810	22-Sep-94	5601889	11-Feb-97	FERRO CORPORATION	MIXED METAL OXIDE CRYSTALLINE POWDERS HAVING IMPROVED MORPHOLOGY AND METHOD FOR THE SYNTHESIS THEREOF DIELECTRIC MATERIALS
0120	GRANTED	758158	9-Sep-91	5228910	20-Jul-93	FERRO CORPORATION	ENAMEL FOR USE ON GLASS AND A METHOD OF USING THE SAME
0124	GRANTED	186199	24-Jan-94	5397830	14-Mar-95	FERRO CORPORATION	ETHYLENE VINYL ACETATE COMPOSITIONS AND TUBING MADE THERE--FROM
0125	GRANTED	813207	23-Dec-91	5334412	2-Aug-94	FERRO CORPORATION	
0126	GRANTED	815723	30-Dec-91	5274035	28-Dec-93	FERRO CORPORATION	

0128	GRANTED	029559	11-Mar-93	5361187	1-Nov-94	FERRO CORPORATION	IMPROVED CERAMIC DIELECTRIC COMPOSITION AND CAPACITORS PRODUCED THEREFROM STABLE HEAVY METAL FREE ZIRCON PIGMENTS FOR USE IN PLASTICS AND PAINTS AND METHOD FOR COLORING THEREOF BISMUTH-CONTAINING LEAD-FREE GLASS ENAMELS AND GLAZES OF LOW SILICA CONTENT BISMUTH-CONTAINING LEAD-FREE GLASS ENAMELS AND GLAZES OF LOW SILICA CONTENT MULTILAYER THERMOFORMABLE STRUCTURE MULTILAYER THERMOFORMABLE STRUCTURE MULTILAYER THERMOFORMABLE STRUCTURE LEAD-FREE GLASS COATINGS METHOD OF PREPARING COATING MATERIALS METHOD OF PREPARING COATING MATERIALS PROCESS FOR PREPARING GRIGNARD REAGENTS IN DIETHYLENE GLYCOL DIBUTYL ETHER VIA FILL PASTE AND METHOD OF USING THE SAME CONTAINING SPECIFIC AMOUNTS OF SILVER, GOLD AND REFRACTORY OXIDES ABRASIVE AND PURGE COMPOSITIONS AND METHODS OF USING THE SAME CONDUCTIVE SILVER LOW TEMPERATURE COFIRE METALLIC GREEN TAPE ABRASIVE AND PURGE COMPOSITIONS VINYL HALIDE POLYMER COLOR CONCENTRATE
0129	GRANTED	951391	28-Sep-92	5316570	31-May-94	FERRO CORPORATION	
0130	GRANTED	963410	19-Oct-92	5252521	12-Oct-93	FERRO CORPORATION	
0130	GRANTED	105226	11-Aug-93	5326591	5-Jul-94	FERRO CORPORATION	
0131	GRANTED	948080	21-Sep-92	5264280	23-Nov-93	FERRO CORPORATION	
0131	GRANTED	124291	20-Sep-93	5385781	31-Jan-95	FERRO CORPORATION	
0131	GRANTED	127108	24-Sep-93	5374680	20-Dec-94	FERRO CORPORATION	
0138	GRANTED	939520	4-Sep-92	5306674	26-Apr-94	FERRO CORPORATION	
0139	GRANTED	236882	29-Apr-94	5399597	21-Mar-95	FERRO CORPORATION	
0139	GRANTED	810965	27-Feb-97	5698163	16-Dec-97	FERRO CORPORATION	
0140	GRANTED	086686	2-Jul-93	5358670	25-Oct-94	FERRO CORPORATION	
0141	GRANTED	007574	22-Jan-93	5422180	6-Jun-95	FERRO CORPORATION	
0143	GRANTED	059492	6-May-93	5395456	7-Mar-95	FERRO CORPORATION	
0149	GRANTED	579076	22-Dec-95	5714246	3-Feb-98	FERRO CORPORATION	
0151	GRANTED	171062	21-Dec-93	5443768	22-Aug-95	FERRO CORPORATION	
0152	GRANTED	796603	7-Feb-97	5843524	1-Dec-98	FERRO CORPORATION	

0153	GRANTED	403259	13-Mar-95	5725919	10-Mar-98	FERRO CORPORATION	LEAD FREE GLASS ENAMELS FOR DECORATING GLASS BEVERAGE CONTAINERS AND METHODS FOR USING THE...
0158	GRANTED	904742	1-Aug-97	5969027	19-Oct-99	FERRO CORPORATION	POLYMER BLEND COMPRISING POLYPROPYLENE
0161	GRANTED	390884	17-Feb-95	5549929	27-Aug-96	FERRO CORPORATION	SCREEN PRINTABLE DECORATIVE COATING COMPOSITION
0163	GRANTED	497239	30-Jun-95	5661882	2-Sep-97	FERRO CORPORATION	METHOD OF INTERGRATING ELECTRONIC COMPONENTS INTO ELECTRONIC CIRCUIT STRUCTURES MADE USING LTCC TAPE
0164	GRANTED	431512	1-May-95	5688867	18-Nov-97	FERRO CORPORATION	LOW VOC UNSATURATED POLYESTER SYSTEMS AND USES THEREOF
0164	GRANTED	916478	22-Aug-97	5874503	23-Feb-99	FERRO CORPORATION	LOW VOC UNSATURATED POLYESTER SYSTEMS AND USES THEREOF
0169	GRANTED	587312	16-Jan-96	5657532	19-Aug-97	FERRO CORPORATION	METHOD OF MAKING INSULATED ELECTRICAL HEATING ELEMENT USING LTCC TAPE
0172	GRANTED	548710	26-Oct-95	5599757	4-Feb-97	FERRO CORPORATION	NPO DIELECTRIC CERAMIC COMPOSITIONS AND CAPACITORS MADE THEREFROM
0176	GRANTED	684437	17-Jul-96	5759472	2-Jun-98	FERRO CORPORATION	LIQUID COLOR SYSTEM FOR USE IN ROTATIONAL MOLDING AND METHOD OF USING THE SAME
0177	GRANTED	922705	3-Sep-97	5897912	27-Apr-99	FERRO CORPORATION	METHOD OF MAKING CONDUCTIVE ELECTRODES FOR USE IN MULTILAYER CERAMIC CAPACITORS OR INDUCTORS USING ORGANOMETALLIC INK
0179	GRANTED	780497	8-Jan-97	5783165	21-Jul-98	FERRO CORPORATION	METHOD OF MAKING BARIUM TITANATE
0209	GRANTED	882707	25-Jun-97	6054103	25-Apr-00	FERRO CORPORATION	MIXING SYSTEM FOR PROCESSING USING SUPERCRITICAL FLUIDS
0212	GRANTED	882022	25-Jun-97	5993747	30-Nov-99	FERRO CORPORATION	MIXING SYSTEM FOR PROCESSING USING SUPERCRITICAL FLUIDS
0214	GRANTED	801978	19-Feb-97	5792716	11-Aug-98	FERRO CORPORATION	THICK FILM HAVING ACID RESISTANCE
0215	GRANTED	181687	28-Oct-98	6004894	21-Dec-99	FERRO CORPORATION	REFLECTIVE PROCELAIN ENAMEL COATING COMPOSITIONS

0216	GRANTED	884829	30-Jun-97	6020424	1-Feb-00	FERRO CORPORATION	SCREEN PRINTABLE THERMALLY CURING CONDUCTIVE GEL
0216	GRANTED	399546	22-Sep-99	6210520	3-Apr-01	FERRO CORPORATION	SCREEN PRINTABLE THERMALLY CURING CONDUCTIVE GEL
0218	GRANTED	884995	30-Jun-97	5968606	19-Oct-99	FERRO CORPORATION	SCREEN PRINTABLE CURABLE CONDUCTIVE MATERIAL COMPOSITION
0218	GRANTED	408568	28-Sep-99	6204303	20-Mar-01	FERRO CORPORATION	SCREEN PRINTABLE CURABLE CONDUCTIVE MATERIAL COMPOSITION
0221	GRANTED	995584	22-Dec-97	5998037	7-Dec-99	FERRO CORPORATION	PORCELAIN ENAMEL COMPOSITION FOR ELECTRONIC APPLICATIONS
0226	GRANTED	074178	7-May-98	6132832	17-Oct-00	FERRO CORPORATION	TILE GLAZE
0227	GRANTED	198879	24-Nov-98	6034281	7-Mar-00	FERRO CORPORATION	PURIFICATION OF DIETHYLENE GLYCOL MONOETHYL ETHER
0228	GRANTED	178957	26-Oct-98	6174360	16-Jan-01	FERRO CORPORATION	INFRARED REFLECTIVE COLOR PIGMENT
0229	GRANTED	224334	31-Dec-98	6150442	21-Nov-00	FERRO CORPORATION	FLAME RETARDANT POLYPROPYLENE COMPOSITION
0230	GRANTED	145112	2-Sep-98	6124224	26-Sep-00	FERRO CORPORATION	HIGH TEMPERATURE SEALING GLASS
0231	GRANTED	190032	11-Nov-98	5963121	5-Oct-99	FERRO CORPORATION	RESETTABLE FUSE
0235	GRANTED	228702	12-Jan-99	6105394	22-Aug-00	FERRO CORPORATION	GLASS ENAMEL FOR AUTOMOTIVE APPLICATIONS
0248	GRANTED	385198	30-Aug-99	6194507	27-Feb-01	FERRO CORPORATION	METAL FILLED CONCENTRATE
0906	GRANTED	276218	23-Nov-88	4895901	23-Jan-90	FERRO CORPORATION	POLYMERIC HINDERED AMINE LIGHT STABILIZERS
0907	GRANTED	474294	2-Feb-90	4983661	8-Jan-91	FERRO CORPORATION	NON PLATEOUT COMPOSITION FOR POLYOLEFIN
0910	GRANTED	050751	21-Apr-93	5298330	29-Mar-94	FERRO CORPORATION	THICK FILM PASTE COMPOSITIONS
0911	GRANTED	091081	31-Aug-87	5089172	18-Feb-92	FERRO CORPORATION	THICK FILM CONDUCTOR COMPOSITIONS USING ALUMINUM NITRIDE SUBSTRATE
0911	GRANTED	073288	7-Jun-93	5393558	28-Feb-95	FERRO CORPORATION	THICK FILM CONDUCTOR COMPOSITIONS USING ALUMINUM NITRIDE SUBSTRATE
0934	GRANTED	604344	24-Oct-90	5164342	17-Nov-92	FERRO CORPORATION	A LOW DIELECTRIC, LOW TEMPERATURE FIRED GLASS CERAMIC
0934	GRANTED	838631	19-Feb-92	5258335	2-Nov-93	FERRO CORPORATION	A LOW DIELECTRIC, LOW TEMPERATURE FIRED GLASS CERAMIC

0967	GRANTED	499851	26-Mar-90	5079283	7-Jan-92	FERRO CORPORATION	FREE-DARICAL MODIFIED FIRE-RETARDANT POLYPROPYLENES WITH POLYOLEFINS COMPATIBILIZED WITH STYRENE COPOLYMERS AND/OR POLYMER BLENDS AND ARTICLES PRODUCED THEREFROM POROUS DIELECTRIC COMPOSITIONS NP
0971	GRANTED	844522	2-Mar-92	5321081	14-Jun-94	FERRO CORPORATION	PARTIALLY CRYSTALLIZING ENAMEL CONTAINING ZN2S1O4 TO BE USED FOR AUTOMOBILE SIDE AND REAR LIGHTS.
0988	GRANTED	641811	16-Jan-91	5071794	10-Dec-91	FERRO CORPORATION	PARTIALLY CRYSTALLIZING ENAMEL CONTAINING ZN2S1O4 TO BE USED FOR AUTOMOBILE SIDE AND REAR LIGHTS.
1005	GRANTED	579301	7-Sep-90	5153150	6-Oct-92	FERRO CORPORATION	PARTIALLY CRYSTALLIZING ENAMEL CONTAINING ZN2S1O4 TO BE USED FOR AUTOMOBILE SIDE AND REAR LIGHTS.
1005	GRANTED	799389	27-Nov-91	5208191	4-May-93	FERRO CORPORATION	PARTIALLY CRYSTALLIZING ENAMEL CONTAINING ZN2S1O4 TO BE USED FOR AUTOMOBILE SIDE AND REAR LIGHTS.
1005	GRANTED	044293	7-Apr-93	5286270	15-Feb-94	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445101001	GRANTED	732090	9-May-85	4613533	23-Sep-86	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445101002	GRANTED	732089	9-May-85	4627993	9-Dec-86	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445102001	GRANTED	002553	21-Jan-87	4739012	19-Apr-88	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445103001	GRANTED	056987	3-Jun-87	4843124	27-Jun-89	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445105001	GRANTED	056898	3-Jun-87	4758628	19-Jul-88	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...
1445106002	GRANTED	017332	20-Feb-87	4710544	1-Dec-87	FERRO CORPORATION	THERMOPLASTIC ELASTOMERIC COMPOSITIONS BASED ON COMPATIBLE BLENDS OF AN ETHYLENE COPOLYMER AND VINYL OR VINYLIDENE...

202	GRANTED	777137	5-Feb-01	6420050	16-Jul-02	FERRO CORPORATION	MULTILAYER COMPOSITE STRUCTURE WITH FORMULATED ACRYLIC CAP
228-CIP	GRANTED	745291	20-Dec-00	6454848	24-Sep-02	FERRO CORPORATION	INFRARED REFLECTIVE COLOR PIGMENT
233	GRANTED	130755	7-Aug-98	6599595	29-Jul-03	FERRO CORPORATION	MULTILAYER POLYMER COMPOSITE FOR MEDICAL APPLICATION
234	GRANTED	489808	24-Jan-00	6428733	6-Aug-02	FERRO CORPORATION	ROTATIONAL MOLDING CERAMIC SUBSTRATE FOR NONSTICK COATING
237B	GRANTED	953063	14-Sep-01	6638600	28-Oct-03	FERRO CORPORATION	CONTINUOUS CALCINATION OF MIXED METAL OXIDES COLOR CONCENTRATE
238-CIP	GRANTED	928972	13-Aug-01	6652829	25-Nov-03	FERRO CORPORATION	INDIVIDUAL INKS AND AN INK SET FOR USE IN THE COLOR INK JETPRINTING OF GLAZED TILES AND SURFACES
247-CON	GRANTED	055808	25-Oct-01	6646038	11-Nov-03	FERRO CORPORATION	ADHESIVE COMPOSITION PRIMARILY INTENDED FOR USE IN MEDICAL APPLICATIONS
249	GRANTED	479350	7-Jan-00	6402823	11-Jun-02	FERRO CORPORATION	ORTHOPEDIC MIXTURES PREPARED BY SUPERCritical FLUID PROCESSING TECHNIQUES
250	GRANTED	777019	5-Feb-01	6649681	18-Nov-03	FERRO CORPORATION	POLYMER MATRICES PREPARED BY SUPERCritical FLUID PROCESSING TECHNIQUES
252	GRANTED	658252	8-Sep-00	6579532	17-Jun-03	FERRO CORPORATION	MANUFACTURING ORTHOPEDIC PARTS USING SUPERCritical FLUID PROCESSING TECHNIQUES
254	GRANTED	658251	8-Sep-00	6521258	18-Feb-03	FERRO CORPORATION	FLAME RETARDED POLYOLEFIN COMPOSITION
255	GRANTED	658250	8-Sep-00	6506213	14-Jan-03	FERRO CORPORATION	SLURRY FOR CHEMICAL- MECHANICAL POLISHING COPPER DAMASCENE STRUCTURES
258	GRANTED	640876	18-Aug-00	6518344	11-Feb-03	FERRO CORPORATION	METHOD OF FABRICATING A COPPER DAMASCENE STRUCTURE
259	GRANTED	692729	19-Oct-00	6508953	21-Jan-03	FERRO CORPORATION	SATURATED SOLUBLE SALT SLURRIES FOR COLORING CERAMICS
259-DIV	GRANTED	266169	7-Oct-02	6680639	9-Dec-03	FERRO CORPORATION	
264	GRANTED	676252	29-Sep-00	6464765	15-Oct-02	FERRO CORPORATION	

264-DIV	GRANTED	246291	18-Sep-02	6565922	20-May-03	FERRO CORPORATION	METHOD OF DECORATING A CERAMIC SUBSTRATE Chemical-mechanical polishing slurry and method
266	GRANTED	692730	19-Oct-00	6702954	9-Mar-04	FERRO CORPORATION	
270	GRANTED	729650	4-Dec-00	6696100	24-Feb-04	FERRO CORPORATION	Method of decorating a ceramic article SILVER INK FOR FORMING ELECTRODES
271	GRANTED	977623	15-Oct-01	6617931	11-Feb-03	FERRO CORPORATION	MULTILAYER STRUCTURE WITH ACRYLIC CAP LAYER, POLYOLEFIN CORE LAYER, AND INTERMEDIATE TIE LAYER
272	GRANTED	777138	5-Feb-01	6455171	24-Sep-02	FERRO CORPORATION	NO DRY MASTER BATCH FOR POLYESTER RESINS
273	GRANTED	873488	4-Jun-01	6469083	22-Oct-02	FERRO CORPORATION	EASY-TO-CLEAN MATTE ACID RESISTANT GROUND COAT
277	GRANTED	906177	16-Jul-01	6511931	28-Jan-03	FERRO CORPORATION	METHOD OF FORMING INORGANIC PIGMENTS
286	GRANTED	124740	17-Apr-02	6616744	9-Sep-03	FERRO CORPORATION	GLYCERIN TRIESTER PLASTICIZER
287	GRANTED	027810	20-Dec-01	6652774	25-Nov-03	FERRO CORPORATION	METHOD OF FORMING PARTICLES FOR USE IN CHEMICAL-MECHANICAL POLISHING SLURRIES AND THE PARTICLES FORMED BY THE PROCESS
288	GRANTED	992485	16-Nov-01	6596042	22-Jul-03	FERRO CORPORATION	HIGH SELECTIVITY CMP SLURRY
295	GRANTED	161315	3-Jun-02	6616514	9-Sep-03	FERRO CORPORATION	