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WENMM-1595 (05/01)

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REC

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Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

FMC Corporation

1735 Market Street

Philadelphia, PA 19103

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Great Lakes Chemical Corporation

Internal Address: _____

500 East 96th Street, Suite 500City: Indianapolis State: Indiana Zip: 46240

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: August 13, 1999Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

5,206,404; 4,972,011; 4,973,409; 5,073,299; 5,284,844;
5,077,364; 5,156,744; 5,152,403; 5,102,932; 5,229,030;
5,360,550; 5,630,852; 5,490,886; 5,560,849Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas Q. Henry

Internal Address: _____

Woodard, Emhardt, Naughton, Moriarty & McNettStreet Address: 3700 Bank One TowerCity: Indianapolis State: IndianaZip: 46204

6. Total number of applications and patents involved

14

7. Total fee (37 CFR 3.41) \$560.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

23-3030

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas Q. Henry

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: ☐

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patent & Trademarks, Box Assignments

Washington, D.C. 20231

7001-1:TQH:148310

04/04/2002 6TON11 00000011 5206404

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560.00 OP

PATENT
REEL: 012735 FRAME: 0548

PATENT ASSIGNMENT (I)

WHEREAS, FMC CORPORATION, a corporation duly organized and existing under the laws of the State of Delaware, having a principal office at 1735 Market Street, Philadelphia, Pennsylvania 19103, hereinafter referred to as "FMC", is the owner of the entire right, title and interest in and to the patents and the applications for patents listed in Schedule A, attached hereto and made a part hereof (hereinafter called the "Patents"), of the inventions disclosed and claimed therein, and of the priority rights relating thereto, and has the unrestricted right to sell, assign and transfer such patents and applications; and

WHEREAS, GREAT LAKES CHEMICAL CORPORATION, a corporation duly organized and existing under the laws of the State of Delaware, having offices at 500 East 96th Street, Suite 500, Indianapolis, Indiana 46240, hereinafter referred to as "GLCC", is desirous of acquiring the entire right, title and interest in and to said patents and patent applications and in and to said inventions;

NOW, THEREFORE, for good and valuable consideration, receipt of which is acknowledged, FMC has agreed to and does hereby sell, assign, transfer and set over to GLCC and its successors and assigns the entire right, title and interest in and to the Patents and in and to the inventions described and claimed therein, including any priority rights relating thereto under any applicable international convention or treaty, and in and to any and all Patents which may issue as a result of such applications or any continuation or continuation in part thereof or as a result of reissue or reexamination of said Patents, the same to be held and enjoyed by GLCC for its own use and benefit and for the use and benefit of its successors, assigns, and legal representatives for the full term of any of said patents as fully and entirely as said rights would have been held and enjoyed by FMC had this assignment and sale not been made, together with the right to prosecute all claims for damages for past, present and future infringements thereof and the right to sue for and collect damages for such infringements for its own use and benefit and/or for the use and benefit of its successors, assigns, and legal representatives.

FMC hereby covenants and agrees that it will at any time, upon GLCC's request, promptly execute and deliver any and all papers that may be reasonably required to perfect and/or register titles to said inventions or said patents or applications in GLCC, its successors, assigns, or other legal representatives; and that FMC will, upon GLCC's request, sign all papers, make all rightful oaths and do all lawful acts reasonably required by GLCC for use in obtaining or maintaining such Patents, applying for or obtaining reissue or reexamination thereof or for filing a disclaimer or disclaimers therein.

FMC does further covenant and agree that it will, at any time upon GLCC's request, communicate to GLCC, its successors, assigns, or other legal representatives, any facts relating to said inventions and Patents and/or the history thereof known to it, and will endeavor to arrange to have knowledgeable employees or former employees testify as to such facts in any interference or other administrative proceeding or any litigation involving the Patents, at times and places agreed upon by GLCC and FMC.

IN WITNESS WHEREOF, FMC has caused this assignment to be executed by its duly authorized representative this 13 day of August, 1999.

FMC CORPORATION

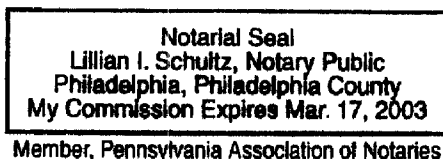
By Marcia D. Pinter
Title Assistant Secretary

Witness: Kathleen Carney

On this 13 day of August, 1999 appeared before me
MARCIA D. PINTER, who in my presence executed the above-identified
Patent Assignment and stated that he/she was ASSISTANT SECRETARY of FMC Corporation, that he/she
was duly authorized by said company to execute the foregoing Patent Assignment, and that he/she did so
of his/her own free will pursuant to and fully in accordance with the authority granted to him/her by
FMC Corporation.

Lillian I. Schultz

Notary Public



PCB/kc:081199

INTELLECTUAL PROPERTY
SCHEDULE A

<u>FMC Reference</u>	<u>Patent or Application No.</u>	<u>Issue or Filing Date</u>	<u>Title</u>
51816-USA	4,301,057	November 17, 1981	Tris-(3-Hydroxyalkyl) Phosphine Oxide Flame Retardant Compositions
51817-USA	4,341,696	July 27, 1982	Tris-(3-Hydroxyalkyl) Phosphine Oxide Flame Retardant Compositions
51820-USA	4,287,119	September 1, 1981	3-Hydroxyalkyl Phosphine Oxide Flame Retardant Compounds
51855-USA	4,346,236	August 24, 1982	Method of Oxidizing Tertiary-Alkyl Phosphines
51858-USA	4,345,059	August 17, 1982	Fire Retardant Epoxy Resins Containing 3-Hydroxyalkyl Phosphine Oxides
51864-USA	4,357,433	November 2, 1982	Flame Retardant Polyphenylene Ether Resin Compositions
51870-USA	4,343,914	August 10, 1982	Flame Retardant Polyurethane Containing Alkyl Bis (3-Hydroxypropyl) Phosphine Oxide
51980-USA	4,629,803	December 16, 1986	Continuous Phosphorylation Process
51989-USA	4,620,024	October 28, 1986	Process for Producing and Recovering Tributyl Phosphate Esters
52296-USA	4,710,530	December 1, 1987	Flame Retardant Polyphenylene Ether Molding Compositions
52323-USA	4,992,496	February 12, 1991	Flame Retardant Modified Polyphenylene Oxide Composition

<u>FMC Reference</u>	<u>Patent or Application No.</u>	<u>Issue or Filing Date</u>	<u>Title</u>
52325-USA	4,897,502	January 30,1990	Process for Making Solide Polyhalotriaryl Phosphate Esters
52374-USA	5,281,741	January 25, 1994	Process for Preparing Aryldiphosphate Esters
52381-USA	5,128,496	July 7, 1992	A Process for Preparing Storage-Stable Tris (Bromophenyl) Phosphates
52388-USA	5,205,865	April 27, 1993	Method and Composition for Bonding Styrenic Surfaces
52396-USA	5,128,067	July 7, 1992	Fire Resistant Low Temperature Grease
52401-USA	5,206,404	April 27, 1993	Triaryl Phosphate Ester Composition and Process for its Preparation
52412-USA	08/026039	March 4, 1993	Improved Aircraft Hydraulic Fluid Basestocks
58536-USA	4,351,796	September 28, 1982	Methods for Scale Control
58543-USA	4,272,427	June 9, 1981	Plasticized PVC
58544-USA	4,304,590	December 8, 1991	Methods and Compositions for the Control of Harmful Organisms Containing Aliphatic Primary Diamines
58545-USA	4,659,359	April 21, 1987	2-Chloro-4,6-Diamino-S-Triazines as Algicides
58547-USA	4,874,526	October 17, 1989	Treatment of Water
58548-USA	4,689,200	May 9, 1989	Systems Inhibited Against Corrosion and/or Scale Deposition
58549-USA	4,828,795	May 9, 1989	Systems Inhibited Against Corrosion and/or Scale Deposition
58550-USA	4,565,833	January 21, 1986	Fire Retardant Composition

<u>FMC Reference</u>	<u>Patent or Application No.</u>	<u>Issue or Filing Date</u>	<u>Title</u>
58551-USA	4,559,214	December 17, 1985	Particulate Calcium Carbonate
58552-USA	4,606,890	August 19, 1986	Process for Conditioning Metal Surfaces
58554-USA	4,530,955	July 23, 1985	Water Treatment Composition Comprising a Hydrolyzed Maleic Anhydride Copolymer and a Zinc
58555-USA	4,681,686	July 21, 1987	Cotelomer Compounds
58560-USA	4,670,514	June 2, 1987	Production of Hydrolyzed Polymaleic Anhydride
58561-USA	4,752,318	June 21, 1988	Aqueous System Treated with a Biocide
58563-USA	4,972,011	November 20, 1990	Flame Retardant Polymer Composition Containing Phosphonic Acid Salts
58564-USA	4,847,017	July 11, 1989	Hydroxyphosphonocarboxylic Acids
58565-USA	4,918,122	April 17, 1990	Flame Retardant Compositions
58566-USA	4,919,833	April 24, 1990	Functional Fluids
58567-USA	5,032,309	July 16, 1991	Functional Fluids Containing Urea Hydrolytic Stabilizers
58570-USA	4,966,920	October 30, 1990	Smoke and Toxic Gas Suppressant Composition
58572-USA	4,963,631	October 16, 1990	Polymers
58574-USA	4,973,409	November 27, 1990	Treatment of Aqueous Systems
58576-USA	5,073,299	December 17, 1991	Telomeric Compound

<u>FMC Reference</u>	<u>Patent or Application No.</u>	<u>Issue or Filing Date</u>	<u>Title</u>
58577-USA	5,284,844	February 8, 1994	Biocides for Protecting Industrial Materials and Water Systems
58580-USA	5,198,483	March 30, 1993	Flame Retardants
58584-USA	5,077,364	December 31, 1991	Polymerization of Maleic Anhydride
58585-USA	5,156,744	October 20, 1992	Process for Inhibiting Scale Using Maleic Anhydride
58587-USA	5,135,661	August 4, 1992	Composition for Treating Water or Aqueous Systems
58591-USA	5,166,074	November 24, 1992	Method of Detecting the Concentration of an Active Ingredient in an Aqueous System
58595-USA	5,152,403	October 6, 1992	Composition for the Treatment of Aqueous Systems
58596-USA	5,102,932	April 7, 1992	Flame Retardants for Polymers
58602-USA	5,229,030	July 20, 1993	Corrosion Inhibition
58615-USA	4,265,769	May 5, 1981	Method of Treating Aqueous Systems with Phosphonoadipic
58623-USA	5,360,550	November 1, 1994	Inhibition of Scale
58625-USA	5,552,067	September 3, 1996	Thermally Stabilizing Organic Functional Fluids in the Absence of Oxygen
58628-USA	5,630,852	May 20, 1997	Organophosphorus Additives for Improved Fuel Lubricity
58631-USA	5,490,886	February 13, 1996	Methods for Quenching Metal
58632-USA	5,556,903	September 17, 1996	Polybrominated Phenylphosphate Flame Retardant for Engineering Thermoplastic Compositions

<u>FMC Reference</u>	<u>Patent or Application No.</u>	<u>Issue or Filing Date</u>	<u>Title</u>
58635-USA	5,560,849	October 1, 1996	Synthetic Ester Lubricant having Improved Antiwear
60075-USA	08/951931	October 16, 1997	Flame Resistant Polyolefin Compositions