

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2771286

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|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                               | CORRECTIVE ASSIGNMENT                                                                                                                                                                        |
| <b>NATURE OF CONVEYANCE:</b>                                                                                          | Corrective Assignment to correct the PATENT NUMBER 5895091 SHOULD HAVE BEEN PATENT NUMBER 5859091 previously recorded on Reel 016408 Frame 0950. Assignor(s) hereby confirms the ASSIGNMENT. |
| <b>CONVEYING PARTY DATA</b>                                                                                           |                                                                                                                                                                                              |
| <b>Name</b>                                                                                                           | <b>Execution Date</b>                                                                                                                                                                        |
| ASHLAND INC.                                                                                                          | 06/29/2005                                                                                                                                                                                   |
| <b>RECEIVING PARTY DATA</b>                                                                                           |                                                                                                                                                                                              |
| <b>Name:</b>                                                                                                          | ASHLAND LICENSING AND INTELLECTUAL PROPERTY LLC                                                                                                                                              |
| <b>Street Address:</b>                                                                                                | 5200 BLAZER PARKWAY                                                                                                                                                                          |
| <b>City:</b>                                                                                                          | DUBLIN                                                                                                                                                                                       |
| <b>State/Country:</b>                                                                                                 | OHIO                                                                                                                                                                                         |
| <b>Postal Code:</b>                                                                                                   | 43017                                                                                                                                                                                        |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                      |                                                                                                                                                                                              |
| <b>Property Type</b>                                                                                                  | <b>Number</b>                                                                                                                                                                                |
| Patent Number:                                                                                                        | 5859091                                                                                                                                                                                      |
| <b>CORRESPONDENCE DATA</b>                                                                                            |                                                                                                                                                                                              |
| <b>Fax Number:</b>                                                                                                    | (614)790-4268                                                                                                                                                                                |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> |                                                                                                                                                                                              |
| <b>Phone:</b>                                                                                                         | 614-790-3105                                                                                                                                                                                 |
| <b>Email:</b>                                                                                                         | pecarothers@ashland.com                                                                                                                                                                      |
| <b>Correspondent Name:</b>                                                                                            | PATRICIA CAROTHERS/ASHLAND INC.                                                                                                                                                              |
| <b>Address Line 1:</b>                                                                                                | 5200 BLAZER PARKWAY                                                                                                                                                                          |
| <b>Address Line 2:</b>                                                                                                | DA5                                                                                                                                                                                          |
| <b>Address Line 4:</b>                                                                                                | DUBLIN, OHIO 43017                                                                                                                                                                           |
| <b>NAME OF SUBMITTER:</b>                                                                                             | PATRICIA CAROTHERS                                                                                                                                                                           |
| <b>SIGNATURE:</b>                                                                                                     | /Patricia Carothers/                                                                                                                                                                         |
| <b>DATE SIGNED:</b>                                                                                                   | 03/17/2014                                                                                                                                                                                   |
| This document serves as an Oath/Declaration (37 CFR 1.63).                                                            |                                                                                                                                                                                              |
| <b>Total Attachments: 32</b>                                                                                          |                                                                                                                                                                                              |
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## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

08/17/2005  
500045665

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|-----------------------------|-------------------------------------------------|
| SUBMISSION TYPE:            | NEW ASSIGNMENT                                  |
| NATURE OF CONVEYANCE:       | ASSIGNMENT                                      |
| CONVEYING PARTY DATA        |                                                 |
| Name                        | Execution Date                                  |
| Ashland Inc.                | 06/29/2005                                      |
| RECEIVING PARTY DATA        |                                                 |
| Name:                       | Ashland Licensing and Intellectual Property LLC |
| Street Address:             | 5200 Blazer Parkway                             |
| City:                       | Dublin                                          |
| State/Country:              | OHIO                                            |
| Postal Code:                | 43017                                           |
| PROPERTY NUMBERS Total: 440 |                                                 |
| Property Type               | Number                                          |
| Patent Number:              | 4772490                                         |
| Patent Number:              | 4982781                                         |
| Patent Number:              | 6068012                                         |
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| Patent Number:              | 6617394                                         |
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| Application Number: | 10274589 |
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PATENT

REEL: 032479 FRAME: 0844

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| Application Number: | 60683964 |
| Application Number: | 10834176 |
| Application Number: | 10835058 |
| Application Number: | 10882874 |
| Application Number: | 11109479 |

## CORRESPONDENCE DATA

Fax Number: (614)790-4268

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

Phone: 6147903105

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Correspondent Name: Patricia Carothers/Ashland Inc.

Address Line 1: 5200 Blazer Parkway

Address Line 2: DA5

Address Line 4: Dublin, OHIO 43017

NAME OF SUBMITTER:

Patricia E. Carothers

Total Attachments: 18

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## ASSIGNMENT

**FOR GOOD AND VALUABLE CONSIDERATIONS, Ashland Inc.,** a corporation organized under the laws of the State of Kentucky, United States of America, having an office at 50 E. RiverCenter Boulevard, Covington, Kentucky 41012-0391, United States of America, (hereinafter "ASSIGNOR") does hereby sell, assign and transfer unto **Ashland Licensing and Intellectual Property LLC**, a limited liability company organized under the laws of the State of Delaware, United States of America, having an office at 5200 Blazer Parkway, Dublin, Ohio 43017, United States of America, (hereinafter "ASSIGNEE"), its successors and assigns, the entire right, title and interest in and to the inventions as described and claimed in the patents and patent applications shown on the attached SCHEDULE A, together with all patents resulting therefrom, reissues, reexaminations and extensions thereof, and in and to all causes of action, claims and demands or other rights for or arising from any infringements, including past infringements, by any third party of said invention.

**AND ASSIGNOR HEREBY COVENANTS AND AGREES** with ASSIGNEE, its successors and assigns, that it will execute or procure any further necessary assurance of the title to said inventions and any patents resulting therefrom, and that it will, at any time, upon request and at the expense of ASSIGNEE deliver any testimony in any legal proceedings and execute all papers that may be necessary or desirable to perfect the title to said inventions or any patents resulting therefrom, in ASSIGNEE, its successors, assigns, or other legal representatives, and that it will at any time, upon the request and at the expense of ASSIGNEE execute any continuations, continuations-in-part, divisionals, or any other additional applications of Letters Patent for said inventions or any part or parts thereof, all of which applications and any patents resulting therefrom are hereby assigned to ASSIGNEE, its successors and assigns, and will make all rightful oaths, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other representatives. ASSIGNOR hereby authorizes and requests the Patent Officials to issue any and all Letters Patent resulting from any of the aforesaid applications to said ASSIGNEE.

This Assignment is effective as of **June 29, 2005**.

ASHLAND INC.

By: Thomas F. Davis  
Thomas F. Davis, Assistant Secretary

State of Ohio ) ss:  
County of Franklin )  
United States of America )

On this 29th day of June, 2005, Thomas F. Davis, Assistant Secretary of Ashland Inc., personally appeared and executed the foregoing instrument before me and acknowledged that he executed the same, of his own free will and for the purposes set forth herein with authority to do so.

Patricia E. Carothers  
Notary Public

pec\06d6376c



PATRICIA E. CAROTHERS  
Notary Public, State of Ohio  
My Commission Expires 01/17/2010

**SCHEDULE A**  
**UNITED STATES PATENTS AND PATENT APPLICATIONS**

| Title                                                                                                        | Application No. | Filing Date | Patent No. | Issue Date |
|--------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------|------------|
| A METHOD FOR PRODUCING A WATER-PERMEABLE COVERING ON GRANULAR WATER-SOLUBLE SUBSTANCES                       | 942155          | 12/16/1986  | 4772490    | 9/20/1988  |
| A NON-BAKE PROCESS FOR PREPARING FOUNDRY SHAPES FOR CASTING LOW MELTING METAL CASTINGS                       | 308346          | 2/9/1989    | 4982781    | 1/8/1991   |
| A NOVEL CLOSED-LOOPED PERFORMANCE-BASED CONTROL SYSTEM                                                       | 09/221601       | 12/29/1998  | 6068012    | 5/30/2000  |
| A NOVEL CLOSED-LOOPED PERFORMANCE-BASED CONTROL SYSTEM                                                       | 09/548626       | 4/13/2000   | 6510368    | 1/21/2003  |
| A NOVEL PROCESS FOR AUTOMATIC CONTROL OF CHEMICAL TREATMENT OF BOILERS IN WET LAYUP                          | 60/632167       | 11/30/2004  |            |            |
| A UNIQUE BLEND OF UNSATURATED POLYESTER (UPE) THERMOSET RESINS USED TO PREPARE TOUGH LOW DENSITY CLASS A SMC | 11/124354       | 5/9/2005    |            |            |
| ACCELERATED CURING OF FOUNDRY BINDERS THAT ARE BASED ON CONDENSATION CHEMISTRY                               | 10/845785       | 5/13/2004   |            |            |
| ACCELERATION OF BF <sub>3</sub> AMINE CATALYZED CURING OF EPOXY RESINS                                       | 882331          | 7/7/1986    | 4705838    | 11/10/1987 |
| ACID BLOCKED-AMINE TRIGGER CATALYSTS FOR URETHANE REACTIONS                                                  | 08/686845       | 8/1/1996    | 5859864    | 12/15/1998 |
| ACRYLIC MODIFIED PHENOLIC-URETHANE FOUNDRY BINDERS                                                           | 09/576510       | 5/23/2000   | 6429236    | 8/6/2002   |
| ADDITION OF FINE SILICA MATERIALS TO INSULATING RISER SLEEVES                                                | 09/531360       | 3/21/2000   | 6335387    | 1/1/2002   |
| ADDITIVES FOR ESTER-CURED PHENOLIC RESIN                                                                     | 50996           | 5/15/1987   | 4780489    | 10/25/1988 |
| ADHESIVE                                                                                                     | 609591          | 11/6/1990   | 5194486    | 3/16/1993  |
| ADHESIVE ADDITIVES AND ADHESIVE COMPOSITIONS CONTAINING AN ADHESIVE ADDITIVE                                 | 10/347435       | 1/21/2003   |            |            |
| ADHESIVE COMPOSITION                                                                                         | 586065          | 5/5/1984    | 4588637    | 5/13/1986  |
| ADHESIVE COMPOSITION                                                                                         | 27542           | 3/5/1993    | 5508111    | 4/16/1996  |
| ADHESIVE COMPOSITION LAMINATE WITH BUTYL RUBBER                                                              | 110633          | 10/16/1987  | 4855172    | 8/8/1989   |
| ADHESIVE FOR BONDING EPDM RUBBER ROOFING MEMBRANE                                                            | 747081          | 8/19/1991   | 5232531    | 8/3/1993   |
| AIR FRESHENER                                                                                                | 29/167293       | 9/11/2002   | D476071    | 6/17/2003  |
| AIR FRESHENER                                                                                                | 29/167292       | 11/11/2002  | D474535    | 5/13/2003  |
| ALCOHOL COMPOSITION CONTAINING NOVEL HYDROXY-SUBSTITUTED ALIPHATIC SILICONE SULFONATE-SILICATE COPOLYMERS    | 250050          | 4/1/1981    | 4352742    | 10/5/1982  |
| ALDIMINES AS SQ ENHANCERS                                                                                    | 08/938363       | 9/26/1997   | 5880180    | 3/9/1999   |
| ALL ORGANIC CORROSION INHIBITOR FOR BRINE AND LOW CONDUCTIVITY APPLICATIONS                                  | 939056          | 9/2/1992    | 5300247    | 4/5/1994   |
| AMBIENT CURING EPOXY RESIN COMPOSITIONS                                                                      | 10/941694       | 9/15/2004   |            |            |
| AMBIENT STORAGE STABLE, QUICK CURE PHENOLIC RESINS SYSTEM                                                    | 172012          | 3/23/1988   | 4904753    | 2/27/1990  |
| AMINE THIOCYANATES AS ACCELERATORS FOR CURE OF POLYEPOXIDE-POLYIMINE MATERIALS                               | 105757          | 10/7/1987   | 4775735    | 10/4/1988  |

|                                                                                                                                                                                    |           |            |         |            |
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| AMINE-GAS (VAPOR) CURED EPOXY URETHANE<br>USEFUL FOR MAKING FOUNDRY CORES & MOLDS                                                                                                  | 09/638565 | 8/14/2000  | 6271284 | 8/7/2001   |
| AMINE-GAS (VAPOR) CURED EPOXY URETHANE<br>USEFUL FOR MAKING FOUNDRY CORES & MOLDS                                                                                                  | 08/811395 | 3/4/1997   | 5880175 | 3/9/1999   |
| AMINE-GAS (VAPOR) CURED EPOXY URETHANE<br>USEFUL FOR MAKING FOUNDRY CORES & MOLDS                                                                                                  | 09/042480 | 3/16/1998  | 6037389 | 3/14/2000  |
| AMINE-GAS CURABLE POLYURETHANE FOUNDRY<br>BINDER                                                                                                                                   | 08/632720 | 4/10/1996  | 5688857 | 11/18/1997 |
| ANTI-YELLOWING MOLDING COMPOSITIONS                                                                                                                                                | 08/790043 | 12/23/1996 | 5811478 | 9/22/1998  |
| ANTIFREEZE CONCENTRATES AND COOLANTS<br>CONTAINING HETEROPOLYMOLYBDATE<br>COMPOUNDS                                                                                                | 871292    | 6/6/1986   | 4743393 | 5/10/1988  |
| AQUEOUS COMPOSITIONS CONTAINING<br>CORROSION INHIBITORS FOR HIGH LEAD SOLDER                                                                                                       | 313687    | 10/22/1981 | 4414126 | 11/8/1983  |
| AQUEOUS CORROSION INHIBITOR                                                                                                                                                        | 09/422596 | 10/21/1999 | 6228283 | 5/8/2001   |
| AQUEOUS CORROSION INHIBITOR FORMULATION                                                                                                                                            | 477413    | 6/7/1995   | 5702631 | 12/30/1997 |
| AQUEOUS LIQUIDS CONTAINING METAL<br>CAVITATION-EROSION CORROSION INHIBITORS                                                                                                        | 465889    | 2/11/1983  | 4440721 | 4/3/1984   |
| AQUEOUS PEROXY CARBAMYL GROUP<br>CONTAINING POLYMER SYSTEMS AND METHODS<br>OF THEIR PRODUCTION AND USE                                                                             | 258460    | 10/17/1988 | 4851459 | 7/25/1989  |
| AROMATIC POLYESTER-URETHANE<br>(METH)ACRYLATES WITH EXEPTIONALLY HIGH<br>STRENGTH AND MODULUS PROPERTIES                                                                           | 60/681880 | 5/17/2005  |         |            |
| ASPHALT LOADING SAFETY SYSTEM                                                                                                                                                      | 08/928521 | 9/12/1997  | 6006796 | 12/28/1999 |
| ASPHALT LOADING SAFETY SYSTEM                                                                                                                                                      | 09/411861 | 10/4/1999  | 6196279 | 3/6/2001   |
| ASPHALT RELEASE AGENT                                                                                                                                                              | 09/693454 | 10/20/2000 | 6486249 | 11/26/2002 |
| ASSEMBLY OF SEVERAL LAYERS HAVING ONE OR<br>MORE REINFORCING LAYERS AND FIBER<br>REINFORCED PLASTIC ARTICLE PRODUCED<br>THEREFROM                                                  | 186324    | 4/26/1988  | 4927684 | 5/22/1990  |
| AUTO EFFICIENCY SENTRY SYSTEM FOR<br>CHLORINE DIOXIDE GENERATION                                                                                                                   | 60/626234 | 11/8/2004  |         |            |
| AUTOMATED METHOD FOR CONTROLLING THE<br>RATE OF CHLORINE DIOXIDE GENERATION                                                                                                        | 08/091842 | 7/14/1993  | 5382520 | 1/17/1995  |
| AUTOMATIC FILTER CLEANING DEVICE BY<br>ULTRASOUND GENERATOR MODULATED THRU<br>DEVICE SIDE WALL                                                                                     | 548545    | 7/5/1990   | 5102534 | 4/7/1992   |
| AUTOMATIC FILTER CLEANING DEVICE BY<br>ULTRASOUND GENERATOR MODULATED THRU<br>DEVICE SIDE WALL                                                                                     | 548545    | 7/5/1990   | 5102534 | 4/7/1992   |
| AUTOMATED PROCESS FOR PROVIDING THE<br>SAFE DELIVERY OF CHLORINE DIOXIDE FOR USE<br>IN TREATING POULTRY AND OTHER MEATS IN<br>CONTROLLING BACTERIAL CONTAMINATION<br>AND/OR GROWTH | 10/693812 | 10/24/2003 |         |            |
| BAK-PAC RETURNABLE CONTAINER (A 55 GALLON<br>RETURNABLE DRUM W/PERMANENT INTERNAL<br>DIP TUBE)                                                                                     | 832864    | 2/7/1992   | 5275313 | 1/4/1994   |
| BARREL SIGN                                                                                                                                                                        | 169732    | 3/18/1988  | D313630 | 1/8/1991   |
| BARREL SIGN                                                                                                                                                                        | 85811     | 3/31/1998  | 407443  | 3/30/1999  |
| BENZYLIC ETHER RESOLE RESINS AND THEIR<br>USES                                                                                                                                     | 08/684800 | 7/17/1996  | 5908914 | 6/1/1999   |
| BENZYLIC ETHER RESOLE RESINS AND THEIR<br>USES                                                                                                                                     | 08/682159 | 7/17/1996  | 5739255 | 4/14/1998  |

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| BINDER COMPOSITION, COMBINATION OF QUEBRACHO TANNIN AND FURFURYL ALCOHOL IN HEAT CURED FOUNDRY SAND BINDER SYSTEMS    | 10/966342 | 10/15/2004 |         |            |
| BINDER SYSTEM FOR THE PRODUCTION OF CORES AND MOLDS                                                                   | 10/603673 | 6/26/2003  | 6772820 | 8/10/2004  |
| BIODEGRADABLE, NON-CARCINOGEN TYPE CHELATING AGENT FOR WATER TREATMENT                                                | 10/198781 | 7/18/2002  | 6797177 | 9/28/2004  |
| BIODEGRADABLE, NON-CARCINOGEN TYPE CHELATING AGENT FOR WATER TREATMENT                                                | 10/932917 | 9/2/2004   |         |            |
| BISPHENOL A TAR CONTAINING FURAN NO-BAKE FOUNDRY BINDER SYSTEM                                                        | 08/583178 | 1/4/1996   | 5856375 | 1/5/1999   |
| BISPHENOL A TAR IN PHENOLIC URETHANE COLD-BOX BINDERS                                                                 | 09/486844 | 3/2/2000   | 6554051 | 4/29/2003  |
| BITUMINOUS PAVING DEPTH GAUGE                                                                                         | 09/058797 | 4/13/1998  | 6298574 | 10/9/2001  |
| BLENDED ANTISCALANT FOR AQUEOUS SYSTEMS                                                                               | 10/156990 | 5/29/2002  | 6846452 | 1/25/2005  |
| BLOCKED CATALYST SYSTEM FOR 2-COMPONENT URETHANE ADHESIVES WITH SUBSEQUENT RAPID HEAT ACTIVATED CURE                  | 08/321460 | 10/11/1994 | 6348121 | 2/19/2002  |
| BLOW TUBE CONSTRUCTION                                                                                                | 10/361404 | 2/10/2003  |         |            |
| BOILER WATER TREATMENT COMPOSITION FOR OXYGEN SCAVENGING                                                              | 11/015570 | 12/17/2004 |         |            |
| BONDED AGGREGATE MATERIAL SUITABLE FOR CREATING CASTING MOLD COMPONENTS OR INSERTS BY MACHINING, CUTTING, OR STAMPING | 10/422343 | 4/24/2003  |         |            |
| BOTTLE                                                                                                                | 770123    | 8/28/1985  | D296667 | 7/12/1988  |
| BOTTLE                                                                                                                | 29/112936 | 10/26/1999 | D439519 | 3/27/2001  |
| BOTTLE                                                                                                                | 29/120811 | 3/27/2000  | D431471 | 10/3/2000  |
| BOTTLE                                                                                                                | 29/076844 | 9/23/1997  | D415689 | 10/26/1999 |
| BOTTLE                                                                                                                | 29/092841 | 8/27/1998  | D416803 | 11/23/1999 |
| BOTTLE ALIGNMENT PACKAGING APPARATUS                                                                                  | 09/823295 | 3/30/2001  | 6688456 | 2/10/2004  |
| BUSINESS METHOD FOR FACILITATING THE SALE OF GOODS AND SERVICES                                                       | 09/877154 | 6/8/2001   |         |            |
| CARBON FIBER MAT LAMINATES PRODUCED WITH PHENOLIC RESIN - BISOXAZOLINE RESIN SYSTEMS                                  | 129497    | 12/7/1987  | 4814223 | 3/21/1989  |
| CARBON FIBER REINFORCED COATINGS                                                                                      | 653558    | 2/11/1991  | 5284701 | 2/8/1994   |
| CAST SOLID BLOCK CORROSION INHIBITOR COMPOSITION AND METHOD OF USING                                                  | 333872    | 4/3/1989   | 4915872 | 4/10/1990  |
| CHLORINE DIOXIDE AS A FUMIGANT                                                                                        | 09/997694 | 11/30/2001 |         |            |
| CHLORINE DIOXIDE AS BIOCIDENHANCER                                                                                    | 08/399691 | 2/27/1995  | 5562835 | 10/8/1996  |
| COHESIVE STRETCH BANDAGES                                                                                             | 780460    | 1/8/1997   | 5692937 | 12/2/1997  |
| COLD SEAL ADHESIVES, COLD SEALABLE FILMS AND PACKAGES FORMED THEREWITH                                                | 559844    | 11/20/1995 | 5616400 | 4/1/1997   |
| COLD SEAL ADHESIVES, COLD SEALABLE FILMS AND PACKAGES FORMED THEREWITH                                                | 08/934015 | 8/26/1997  | 5981650 | 11/9/1999  |
| COLD-BOX PROCESS FOR PRODUCING SLEEVES                                                                                | 09/617656 | 7/17/2000  |         |            |
| COLD-BOX PROCESS FOR PRODUCING SLEEVES                                                                                | 08/952791 | 10/21/1998 | 6133340 | 10/17/2000 |
| COLD-SEAL ADHESIVES AND COMESTTIBLE PACKAGES FORMED THEREWITH                                                         | 74861     | 7/16/1987  | 4810745 | 3/7/1989   |
| COMBINED BARREL SIGN AND SUPPORT MEMBER THEREFOR                                                                      | 581493    | 3/18/1990  | D319265 | 8/20/1991  |
| COMBINED CHANGEABLE SIGN ASSEMBLY                                                                                     | 704108    | 2/21/1985  | 4583311 | 4/22/1986  |
| COMPOSITION FOR OXYGEN REMOVAL                                                                                        | 09/927844 | 8/9/2001   |         |            |
| COMPOSITIONS AND PROCESS FOR INHIBITING                                                                               | 495095    | 5/16/1983  | 4452758 | 6/5/1984   |

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| CORROSION...                                                                                                      |           |            |         |            |
| COMPOUNDED UNSATURATED POLYESTER RESIN COMPOSITIONS WITH A REDUCED MONOMER CONTENT                                | 09/807898 | 4/19/2001  | 6583218 | 6/24/2003  |
| COOKING CYCLE TIMER                                                                                               | 674248    | 3/25/1991  | 5239519 | 8/24/1993  |
| COOLANT SYSTEM CLEANING SOLUTIONS                                                                                 | 563007    | 8/6/1990   | 5071582 | 12/10/1991 |
| COOLING SYSTEM CLEANING SOLUTIONS                                                                                 | 594907    | 10/9/1990  | 5062987 | 11/5/1991  |
| COPOLYMERIZATION OF BISOXAZOLINES AND POLYPHENOLIC COMPOUNDS WITH A HYDRO-CARBON HALIDE CATALYST                  | 182668    | 4/18/1988  | 4843143 | 6/27/1989  |
| COPOLYMERIZATION OF UNSATURATED URETHANE MONOMERS                                                                 | 08/196912 | 12/15/1993 | RE35280 | 6/18/1996  |
| CORROSION INHIBITING COMPOSITION                                                                                  | 10/624444 | 7/22/2003  |         |            |
| CORROSION INHIBITING COMPOSITION                                                                                  | 10/021730 | 10/29/2001 |         |            |
| CORROSION INHIBITING COMPOSITION                                                                                  | 10/215218 | 8/8/2002   | 6613249 | 9/2/2003   |
| CORROSION INHIBITION OF OIL FIELD BRINE                                                                           | 08/431274 | 4/28/1995  | 5590716 | 1/7/1997   |
| CORROSION INHIBITOR                                                                                               | 47338     | 5/7/1987   | 4806310 | 2/21/1989  |
| CORROSION INHIBITOR FOR GALVANIZING                                                                               | 09/287206 | 4/5/1999   | 6458320 | 10/1/2002  |
| CORROSION PRODUCTS DISPERSION IN STEAM GENERATING BOILERS                                                         | 09/183428 | 10/30/1998 | 6337047 | 1/8/2002   |
| CROSSLINKABLE PRE-APPLIED ADHESIVE                                                                                | 08/835629 | 4/9/1997   | 5965646 | 10/12/1999 |
| CROWNED SLEEVE FOR RETAINING A FLOATING COVER LID                                                                 | 60/625250 | 11/5/2004  |         |            |
| CUPOLA ASH STABILIZATION                                                                                          | 08/221644 | 3/31/1994  | 5403496 | 4/4/1995   |
| CURABLE COMPOSITIONS                                                                                              | 07/923420 | 8/3/1992   | 5250608 | 10/5/1993  |
| CURABLE EPOXY RESIN COMPOSITIONS AND USE IN PREPARING FORMED, SHAPED, FILLED BODIES                               | 95802     | 9/11/1987  | 4806576 | 2/21/1989  |
| CURABLE EPOXY VINYLESTER COMPOSITION HAVING A LOW PEAK EXOTHERM DURING CURE                                       | 08/382028 | 2/10/1995  | 6329475 | 12/11/2001 |
| DEFOAMERS FOR COOLING TOWERS                                                                                      | 08/417041 | 4/4/1995   | 5565019 | 10/15/1996 |
| DEVICE AND PROCESS FOR TREATING A LIQUID MEDIUM                                                                   | 10/358445 | 2/4/2003   | 6736979 | 5/18/2004  |
| DEVICE AND PROCESS FOR TREATING A LIQUID MEDIUM                                                                   | 09/214398 | 8/27/1999  | 6540922 | 4/1/2003   |
| DEVICE AND PROCESS FOR TREATING A LIQUID MEDIUM USING ULTRASOUND                                                  | 10/533679 | 5/3/2005   |         |            |
| DEVICE AND PROCESS FOR TREATING A LIQUID MEDIUM USING ULTRASOUND                                                  | 10/838945 | 5/3/2004   |         |            |
| DIMER ACID DERIVATIVES AS ENHANCERS                                                                               | 09/960082 | 9/21/2001  | 6617394 | 9/9/2003   |
| DISPERSANT ENHANCEMENT BY OXIMES(S)                                                                               | 10/340318 | 1/10/2003  |         |            |
| DIVINYLBENZENE AS A UNIQUE ADDITIVE TO ENHANCE THE SURFACE QUALITY OF TOUGH LOW DENSITY CLASS A SMC               | 11/124294 | 5/9/2005   |         |            |
| DRY BLENDING WITH FIBERS                                                                                          | 297280    | 2/6/1987   | 4953135 | 8/28/1990  |
| DRY BLENDING WITH FIBERS                                                                                          | 831240    | 2/19/1986  | 4669887 | 6/2/1987   |
| DRYER MOISTURE INDICATOR                                                                                          | 09/957255 | 9/21/2001  |         |            |
| DUAL CURE REACTION PRODUCTS OF SELF-PHOTOINITIATING MULTIFUNCTIONAL ACRYLATES WITH CYCLOALIPHATIC EPOXY COMPOUNDS | 10/712044 | 11/14/2003 |         |            |
| DUAL CURE REACTION PRODUCTS OF SELF-PHOTOINITIATING MULTIFUNCTIONAL ACRYLATES WITH THIOLS                         | 10/628373 | 7/29/2003  |         |            |
| ENGINE COOLANT REMOVAL AND REFILL                                                                                 | 311950    | 9/23/1994  | 5673733 | 10/7/1997  |

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| ENGINE COOLANT REMOVAL AND REFILL                                                                                                                                      | 08/296260 | 8/25/1994  | 5518047 | 5/21/1996  |
| ENGINE COOLANT REMOVAL AND REFILL                                                                                                                                      | 639829    | 4/29/1996  | 5649574 | 7/22/1997  |
| ENGINE COOLANT REMOVAL AND REFILL<br>METHOD AND DEVICE                                                                                                                 | 08/097479 | 7/27/1993  | 5511590 | 4/30/1996  |
| ENHANCED SHAKEOUT SO2 COLD BOX BINDERS<br>FOR LIGHT METAL CASTING OPERATIONS                                                                                           | 10/117462 | 4/5/2002   | 6662854 | 12/16/2003 |
| ENHANCERS FOR THERMOPLASTIC LOW PROFILE<br>ADDITIVES                                                                                                                   | 08/334546 | 11/8/1994  | 5504151 | 4/2/1996   |
| ENVIRONMENTALLY FRIENDLY SCALE AND<br>CORROSION BLEND                                                                                                                  | 09/238850 | 1/28/1999  | 6207079 | 3/27/2001  |
| ENVIRONMENTALLY FRIENDLY SCALE AND<br>CORROSION BLEND                                                                                                                  | 09/630673 | 8/1/2000   | 6464900 | 10/15/2002 |
| EPOXY ISOCYANATE BINDER WITH IMPROVED<br>BENCLIFE                                                                                                                      | 09/661047 | 9/14/2000  | 6441060 | 8/27/2002  |
| EPOXY VINYL ESTER AND URETHANE VINYL<br>ESTER DERIVED FROM LOW AND HIGH MY<br>GLYCOLS                                                                                  | 08/918111 | 8/27/1997  | 6350826 | 2/26/2002  |
| EROSION-RESISTANT FOUNDRY BINDER SYSTEM                                                                                                                                | 10/120203 | 4/10/2002  | 6684936 | 2/3/2004   |
| EXTENDED ENGINE COOLANT LIFETIME<br>THROUGH POLYMERIC POLYCARBOXYLIC<br>SECONDARY SILICATE STABILIZATION                                                               | 08/781848 | 1/10/1997  | 6203719 | 3/20/2001  |
| FAIL-SAFE CHEMICAL FEED SYSTEM                                                                                                                                         | 277282    | 11/29/1988 | 4886090 | 12/12/1989 |
| FEED-FORWARD AND FEED-BACKWARD<br>CONTROL SYSTEM FOR USE IN WATER<br>TREATMENT                                                                                         | 08/610146 | 2/29/1996  | 5855791 | 1/5/1999   |
| FIELD-USABLE RESINS FOR RAPID<br>CONSTRUCTION REPAIR AND AIRFIELD DAMAGE<br>REPAIR                                                                                     | 60/683610 | 5/23/2005  |         |            |
| FIELD-USABLE RESINS FOR RAPID<br>CONSTRUCTION REPAIR AND AIRFIELD DAMAGE<br>REPAIR                                                                                     | 60/683619 | 5/23/2005  |         |            |
| FIRE RETARDANT POLYESTER RESINS<br>CONTAINING DIBROMONEOPENTYL GLYCOL WITH<br>IMPROVED COLOR AND LAMINATES MADE FROM<br>THEM WITH IMPROVED UV/WEATHERING<br>PROPERTIES | 10/274982 | 10/22/2002 | 6858314 | 2/22/2005  |
| FLAME RETARDANT PRESSURE SENSITIVE<br>ADHESIVES                                                                                                                        | 08/974914 | 11/20/1998 | 6114426 | 9/5/2000   |
| FLEXIBLE TWO-COMPONENT EPOXY<br>STRUCTURAL ADHESIVES                                                                                                                   | 854227    | 4/21/1986  | 4740539 | 4/26/1988  |
| FLOATING COVER LID FOR RISERS                                                                                                                                          | 10/919149 | 8/16/2004  |         |            |
| FLOATING COVER LID FOR RISERS                                                                                                                                          | 10/176027 | 6/20/2002  |         |            |
| FLOW INHIBITORS AND PROCESS FOR INHIBITING<br>THE MOVEMENT OF FREE FLOWING PARTICLES                                                                                   | 11/040171 | 1/21/2005  |         |            |
| FOAM CONTROL AGENT FOR AQUEOUS PRINTING<br>INKS, AND COATINGS                                                                                                          | 10/975596 | 10/28/2004 |         |            |
| FOAM CONTROL AGENT FOR PAINTS AND<br>COATINGS                                                                                                                          | 10/100528 | 3/18/2002  | 6579908 | 6/17/2003  |
| FOAM CONTROL AGENT FOR PAINTS AND<br>COATINGS                                                                                                                          | 09/162683 | 9/29/1998  | 6090857 | 7/18/2000  |
| FOUNDRY BINDER CURABLE BY FREE RADICAL<br>POLYMERIZATION                                                                                                               | 243672    | 9/13/1988  | 4876294 | 10/24/1989 |
| FOUNDRY BINDER CURABLE BY FREE RADICAL<br>POLYMERIZATION                                                                                                               | 416092    | 10/2/1989  | 4974659 | 12/4/1990  |

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| FOUNDRIY BINDER SYSTEM WHICH CONTAINS CASTOR OIL MODIFIED POLYISOCYANATES                        | 09/163589 | 9/30/1998  | 6013695                       | 1/11/2000  |
| FOUNDRIY BINDERS CONTAINING ORTHO ESTERS                                                         | 09/401235 | 9/23/1999  | 6288139                       | 9/11/2001  |
| FOUNDRIY SAND BINDERS CONTAINING ACETOACETATES                                                   | 09/404758 | 9/24/1999  | 6342543                       | 1/29/2002  |
| FOUNDRIY SAND BINDERS CONTAINING ACETOACETATES                                                   | 09/405630 | 9/24/1999  |                               |            |
| FRONT END LOADER RETRACTABLE ATTACHMENT                                                          | 10/041994 | 10/29/2001 |                               |            |
| FUEL MILL HOMOGENIZER (WITH MAGNETIC COUPLING DRIVE)                                             | 10/430261 | 5/7/2003   |                               |            |
| FUNCTIONAL AND NON-FUNCTIONAL COMPATIBILIZERS FOR THERMOSETS                                     | 10/288015 | 11/5/2002  | 6841607                       | 1/11/2005  |
| FURAN NO-BAKE BINDERS CONTAINING RESORCINOL-TYPE ADDITIVES                                       | 10/074709 | 2/13/2002  | 6559203                       | 5/6/2003   |
| GAS CURING CHAMBER FOR FLAT SUBSTRATES                                                           | 665936    | 10/29/1984 | 4520750                       | 6/4/1985   |
| GAS CURING CHAMBER FOR FLAT SUBSTRATES                                                           | 544364    | 10/21/1983 | 4491610                       | 1/1/1985   |
| GLYCOL-BASED POLYCARBOXYLATE CONTAINING ANTIFREEZE...                                            | 734722    | 7/23/1991  | 5290469                       | 3/1/1994   |
| GLYCOL-BASED POLYCARBOXYLATE CONTAINING ANTIFREEZE/COOLANT...                                    | 734717    | 7/23/1991  | 5288419                       | 2/22/1994  |
| GLYCOL-CONTAINING POLYURETHANE NO-BAKE BINDER CONTAINING GLYCOLS                                 | 09/196976 | 11/20/1998 | 6005021                       | 12/21/1999 |
| GLYCOL-CONTAINING POLYURETHANE NO-BAKE BINDER CONTAINING GLYCOLS                                 | 08/874621 | 6/13/1997  | <del>5895091</del><br>5859091 | 1/12/1999  |
| HEAT CURABLE FOUNDRIY MIXES AND BINDER COMPOSITIONS                                              | 262386    | 10/24/1988 | 4884620                       | 12/5/1989  |
| HEAT CURED INORGANIC COMPOSITION                                                                 | 08/217919 | 3/25/1994  | 5474606                       | 12/12/1995 |
| HIGH LEAD SOLDER CORROSION INHIBITOR                                                             | 379641    | 5/19/1982  | 4402847                       | 9/6/1983   |
| HIGH PERFORMANCE INDUCTION CURABLE TWO-COMPONENT STRUCTURAL ADHESIVE WITH NON-SAGGING BEHAVIOR   | 876060    | 6/19/1986  | 4762864                       | 8/9/1988   |
| HIGH PERFORMANCE INDUCTION CURABLE TWO-COMPONENT STRUCTURAL ADHESIVE WITH NON-SAGGING BEHAVIOR   | 182667    | 4/18/1988  | 4878978                       | 11/7/1989  |
| HIGH PERFORMANCE TWO-COMPONENT EPOXY STRUCTURAL ADHESIVES WITH CHEMICAL THIXOTROPY               | 819963    | 1/21/1986  | 4728737                       | 3/1/1988   |
| HIGH PH COOLANT CONTAINING CARBONATE ION                                                         | 436261    | 10/25/1982 | 4452715                       | 6/5/1984   |
| HIGH PRODUCTIVITY, BISPHENOL A/POLYESTER POLYOL CONTAINING FAST CURE FURAN NO BAKE BINDER SYSTEM | 10/238176 | 9/10/2002  | 6593397                       | 7/15/2003  |
| HIGH PRODUCTIVITY, BISPHENOL A/POLYESTER POLYOL CONTAINING FAST CURE FURAN NO BAKE BINDER SYSTEM | 09/519025 | 3/3/2000   | 6479567                       | 11/12/2002 |
| HIGH PRODUCTIVITY, HIGH STRENGTH BHMf CONTAINING FURAN WARM BOX BINDER SYSTEM                    | 10/665101 | 9/18/2003  |                               |            |
| HIGH REACTIVITY, BIS-HYDROXYMETHYL FURAN, LEWIS ACID CONTAINING, FURAN NO BAKE BINDER SYSTEM     | 09/559766 | 4/27/2000  | 6391942                       | 5/21/2002  |
| HIGH TEMPERATURE RESISTANT LAMINATING ADHESIVE                                                   | 08/636080 | 4/22/1996  | 5837089                       | 11/17/1998 |

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| IMAGE BEARING, TRANSPARENT, MULTI-LAMINATE RELEASE DEVICE SUITABLE FOR AUTOMOBILE INTERIOR WINDOW MOUNTING                                | 10/967448 | 10/18/2004 |         |            |
| IMINE-CONTAINING POLYURETHANE STRUCTURAL ADHESIVES                                                                                        | 08/939022 | 9/26/1997  | 5955199 | 9/21/1999  |
| IMPROVED PERFORMANCE FOUNDRY BINDERS                                                                                                      | 08/743765 | 11/7/1996  | 5874487 | 2/23/1999  |
| IMPROVED PERFORMANCE FOUNDRY BINDERS                                                                                                      | 08/743766 | 11/7/1996  | 5880174 | 3/9/1999   |
| IMPROVED PROCESS FOR PREPARING POLY (ETHER-AMIDE) POLYMERICCOMPOSITIONS                                                                   | 763166    | 8/7/1985   | 4613662 | 9/23/1986  |
| IMPROVED STYRENE SOLUBILITY OF TEREPHTHALIC UNSATURATED POLYESTERS                                                                        | 08/091488 | 7/13/1993  | 5380793 | 1/10/1995  |
| IMPROVING BOND STRENGTH AND WATER RESISTANCE OF MOISTURE CURABLE POLYURETHANE ADHESIVE TO WOOD VENEERS BY HOT PRESS                       | 08/520804 | 8/30/1995  | 5643983 | 7/1/1997   |
| INHIBITION OF CORROSION IN STEAM/AIR/OXYGEN VAPOR SPACE                                                                                   | 09/321354 | 5/27/1999  | 6503448 | 01/07/2003 |
| INORGANIC FOUNDRY BINDER                                                                                                                  | 785364    | 10/30/1991 | 5279665 | 1/18/1994  |
| IRON LOST FOAM COATING                                                                                                                    | 08/834462 | 4/11/1997  | 5950702 | 9/14/1999  |
| LIQUID APPLICATOR HEAD                                                                                                                    | 29/181627 | 5/14/2003  | D496511 | 9/21/2004  |
| LIQUID OLIGOMERS CONTAINING ACRYLATE UNSATURATION AND POLYBUTADIENE SEGMENTS                                                              | 10/967449 | 10/18/2004 |         |            |
| LIQUID OLIGOMERS CONTAINING UNSATURATION                                                                                                  | 08/933811 | 9/19/1997  | 5945489 | 8/31/1999  |
| LIQUID OLIGOMERS CONTAINING UNSATURATION                                                                                                  | 08/933784 | 9/19/1997  | 6025410 | 2/15/2000  |
| LIQUID UNCROSSLINKED MICHAEL ADDITION OLIGOMERS PREPARED IN THE PRESENCE OF A CATALYST HAVING BOTH AN EPOXY MOIETY AND A QUARTERNARY SALT | 10/255541 | 9/26/2002  | 6706414 | 3/16/2004  |
| LIQUID, AROMATIC BISOXAZOLINE AND DISOXAZINE MONOMER MIXTURES CURED WITH POLYPHENOLIC COMPOUNDS                                           | 268403    | 11/8/1988  | 4841002 | 6/20/1989  |
| LIQUID, AROMATIC BISOXAZOLINE MONOMERS                                                                                                    | 144142    | 1/15/1988  | 4806267 | 2/21/1989  |
| LOW DENSITY SMC FOR LOW PRESSURE MOLDING                                                                                                  | 09/802965 | 3/12/2001  | 6521162 | 2/18/2003  |
| LOW VISCOSITY MONOFUNCTIONAL ALCOHOL DIGESTED UNSATURATED POLYESTER LAMINATING RESINS WITH REDUCED EMISSION LEVELS OF VOC'S               | 11/038749 | 1/18/2005  |         |            |
| LOW VISOSITY DOUBLE END-CAPPED UNSATURATED POLYESTER LAMINATING RESINS WITH REDUCED EMISSION LEVELS OF VOLATILE ORGANIC COMPOUNDS (VOC)   | 10/679989 | 10/7/2003  |         |            |
| LOW VOC CLEANING COMPOSITION                                                                                                              | 08/835865 | 4/8/1997   | 5972874 | 10/26/1999 |
| METERING PUMP FEED VERIFICATION SYSTEM                                                                                                    | 09/852706 | 5/11/2001  | 6644344 | 11/11/2003 |
| METHOD AND APPARATUS FOR DETERMINING BIOLOGICAL FOULING IN AQUEOUS SYSTEMS                                                                | 08/538304 | 10/2/1995  | 5576481 | 11/19/1996 |
| METHOD AND PROCESS TO MEASURE CORROSION                                                                                                   | 274880    | 6/18/1981  | 4686854 | 8/18/1987  |
| METHOD FOR FOULING FORMATION                                                                                                              | 652943    | 2/8/1991   | 5213678 | 5/25/1993  |
| METHOD FOR IMPROVING SBS POLYMER EFFICIENCY IN SHRP ASPHALTS                                                                              | 09/333330 | 6/15/1999  | 6057390 | 5/2/2000   |
| METHOD FOR INCREASING THE FUNCTIONALITY OF AN EPOXY RESIN                                                                                 | 766035    | 8/15/1985  | 4722990 | 2/2/1988   |

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| METHOD FOR PREPARING LAMINATED ARTICLES                                                                   | 689641    | 8/14/1984  | 4618390 | 10/21/1986 |
| METHOD FOR REMOVING CARBON DEPOSITS WITH MICROEMULSION CLEANERS                                           | 08/099997 | 7/29/1993  | 5401325 | 3/28/1995  |
| METHOD OF PREPARING PRESSURE SENSITIVE ADHESIVES HAVING INTERPOLYMERS WITH INTERNAL CROSSLINKING MONOMERS | 810184    | 12/19/1991 | 5214094 | 5/25/1993  |
| METHOD OF FORMING FLEXIBLE PACKAGES AND NOVEL FLEXIBLE PACKAGES                                           | 322351    | 3/13/1989  | 4883694 | 11/28/1989 |
| METHOD OF INHIBITING BIOFILM FORMATION IN INDUSTRIAL FLUIDS                                               | 10/734103 | 12/10/2003 |         |            |
| METHOD OF PREVENTING PITCH DEPOSITION IN PULP AND PAPERMAKING SYSTEMS                                     | 08/432077 | 5/1/1995   | 5618861 |            |
| METHOD OF PRODUCING CASTING RISER SLEEVES BY INCORPORATING AIR GAP                                        | 09/189242 | 11/10/1998 |         |            |
| METHOD OF PRODUCING CHLORINE DIOXIDE IN A GASEOUS STREAM AND APPARATUS THEREFOR                           | 500659    | 3/28/1990  | 5258171 | 11/2/1993  |
| METHOD OF PRODUCING THIN-WALL CASTINGS WITH IMPROVED MECHANICAL PROPERTIES                                | 10/669087 | 9/23/2003  |         |            |
| METHODS OF INDUCTION HEATING USING DUAL SUSCEPTORS                                                        | 10/432278 | 6/28/2002  |         |            |
| METHYL ETHYL KETONE OXIDE USED AS PRECIOUS METALS REMOVER FROM ACTIVATED CARBON                           | 09/457592 | 12/9/1999  | 6238632 | 5/29/2001  |
| MICROEMULSION CLEANERS                                                                                    | 08/099209 | 7/29/1993  | 5401326 | 3/28/1995  |
| MICROEMULSION WITH IMPROVED ODOR                                                                          | 08/732124 | 10/15/1996 | 5723430 | 3/3/1998   |
| MODIFIED RISER SLEEVES                                                                                    | 08/872382 | 6/13/1997  | 5915450 | 6/29/1999  |
| MODIFIED RISER SLEEVES                                                                                    | 29/072282 | 6/13/1997  | D397702 | 9/1/1998   |
| MODIFIED TWO COMPONENT EPOXY ADHESIVES                                                                    | 09/793070 | 2/26/2001  | 6572971 | 6/3/2003   |
| MOISTURE CURABLE HOT MELT ADHESIVES FOR LAMINATED PANEL FABRICATION                                       | 09/257827 | 2/25/1999  | 6274674 | 8/14/2001  |
| MOISTURE CURABLE HOT MELT ADHESIVES FOR LAMINATED PANEL FABRICATION                                       | 09/865868 | 5/25/2001  | 6395385 | 5/28/2002  |
| MOISTURE CURING 100% REACTIVE POLYURETHANE ADHESIVE FOR ADHERING ROOFING INSULATION TO THE ROOF DECK      | 10/664052 | 9/16/2003  |         |            |
| MOLDING COMPOSITION AND PROCESS FOR LOW PRESSURE MOLDING OF COMPOSITE PARTS                               | 08/282139 | 7/28/1994  | 5521232 | 5/28/1996  |
| MOLTEN METAL FILTERS CONTAINING CHEMICAL BINDERS AND MICROSPHERES                                         | 10/975875 | 10/28/2004 |         |            |
| MONOCARBOXYLIC ACID BASED ANTIFREEZE COMPOSITION                                                          | 09/135138 | 8/17/1998  | 6126852 |            |
| MONOCARBOXYLIC ACID BASED ANTIFREEZE COMPOSITION                                                          | 09/513323 | 2/25/2000  | 6290870 | 10/3/2000  |
| MONOCARBOXYLIC ACID BASED ANTIFREEZE COMPOSITION                                                          | 09/851368 | 5/8/2001   | 6676847 | 9/18/2001  |
| MONOCARBOXYLIC ACID BASED ANTIFREEZE COMPOSITION                                                          | 09/510880 | 8/17/1998  | 6235217 | 5/22/2001  |
| MOTOR OIL PERFORMANCE-ENHANCING FORMULATION                                                               | 08/836083 | 11/3/1995  | 6034038 | 3/7/2000   |
| MOTOR OIL PERFORMANCE-ENHANCING FORMULATION                                                               | 10/206852 | 7/26/2002  | 6774091 | 8/10/2004  |
| MOTOR OIL PERFORMANCE-ENHANCING FORMULATION                                                               | 334513    | 11/4/1994  | 5763369 | 6/9/1998   |
| MOTOR OIL PERFORMANCE-ENHANCING FORMULATION                                                               | 08/455353 | 5/31/1995  | 5641731 | 6/24/1997  |

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| MOTOR OIL PERFORMANCE-ENHANCING FORMULATION                                                                 | 08/881415 | 6/24/1997  | 5962377 | 10/5/1999  |
| MULTIFUNCTIONAL ACRYLATE OLIGOMERS AS PIGMENT GRINDING VEHICLES FOR RADIATION-CURABLE INK APPLICATIONS      | 10/682875 | 10/14/2003 |         |            |
| MULTIFUNCTIONAL MACROMERS                                                                                   | 09/937903 | 4/3/2000   | 6521719 | 2/18/2003  |
| NATIONAL RUBBER BASED PRIMER FOR RUBBER GASKET AND SEAL REPAIR AT ROOM TEMPERATURE                          | 694672    | 5/2/1991   | 5262237 | 11/16/1993 |
| NEW DISCLOSURE FOR RECYCLED OIL                                                                             | 10/151797 | 3/24/2002  |         |            |
| NEW REFRACTORY COMPOSITIONS AND EVAPORATIVE PATTERN CASTINGPROCESS USING SAME                               | 90758     | 8/28/1987  | 4785870 | 11/22/1988 |
| NEW REFRACTORY COMPOSITIONS AND EVAPORATIVE PATTERN PROCESSUSING SAME                                       | 264030    | 10/28/1988 | 4854367 | 8/8/1989   |
| NON-CARBONYL VEHICLE/BLOCKED TIN CATALYST SYSTEM                                                            | 08/230087 | 4/20/1994  | 5478790 | 12/26/1995 |
| NOVEL ALIPHATIC SULFOSILOXANE-SILICANE COPOLYMERS                                                           | 249916    | 4/1/1981   | 4354002 | 10/12/1982 |
| NOVEL APPROACH TO REMOVING IRON OXIDE IN AQUEOUS SYSTEMS                                                    | 09/153645 | 8/17/1998  | 6156129 | 12/05/2000 |
| NOVEL BORON TRIFLUORIDE-POLY (ALKYLENE OXIDE) AMINE CATALYSTS FOR CURING EPOXY RESINS                       | 899120    | 5/23/1986  | 4683282 | 7/28/1987  |
| NOVEL RADIATION-CURABLE ACRYLATE OLIGOMERS AND THEIR CURED COATINGS                                         | 11/109478 | 4/19/2005  |         |            |
| NOVEL THERMOSETTING COMPOSITIONS                                                                            | 11/040172 | 1/21/2005  |         |            |
| OLIGOMERS FROM MULTIFUNCTIONAL ACRYLATES                                                                    | 10/269947 | 10/15/2002 | 6878845 | 4/12/2005  |
| ON-LINE REMOVAL OF TURBINE BLADE DEPOSITS                                                                   | 10/067090 | 2/4/2002   | 6557348 | 5/6/2003   |
| ONE PART, LATENT CURING EPOXY COMPOSITIONS                                                                  | 36236     | 4/9/1987   | 4737565 | 4/12/1988  |
| ONE-PACKAGE STRUCTURAL ADHESIVE                                                                             | 171944    | 12/21/1993 | 5468831 | 11/21/1995 |
| ONE-PART EPOXY BINDER SYSTEM CURED WITH SO2                                                                 | 10/628024 | 7/25/2003  |         |            |
| ONE-PART EPOXY-POLYOL BINDER SYSTEMS CURED WITH SULFUR DIOXIDE                                              | 10/627471 | 7/25/2003  |         |            |
| ONE-PART POLYURETHANE ADHESIVE COMPOSITION FOR ADHERING POLYMERIC ROOFING MATERIALS TO ROOF-DECK SUBSTRATES | 11/061772 | 2/18/2005  |         |            |
| OXIRANES CONTAINING COMPOUNDS AS SMC ADHESIVES PRIMERS                                                      | 887499    | 7/21/1986  | 4916018 | 4/10/1990  |
| PEELABLE AND EXPANDABLE POLYMERIC COATING COMPOSITION                                                       | 09/815874 | 3/23/2001  | 6713522 | 3/30/2004  |
| PEELABLE AND EXPANDABLE POLYMERIC COATING COMPOSITION                                                       | 09/693366 | 10/20/2000 | 6822012 | 11/23/2004 |
| PENETRATING LUBRICANT COMPOSITION                                                                           | 09/607379 | 6/30/2000  | 6413916 | 7/2/2002   |
| PHENOLIC RESIN COMPOSITIONS AND THEIR USE IN FOUNDRY BINDERS                                                | 144845    | 1/15/1988  | 4814363 | 3/21/1989  |
| PHENOLIC RESIN COMPOSITIONS AND THEIR USE IN FOUNDRY BINDERS                                                | 307797    | 2/8/1989   | 4852636 | 8/1/1989   |
| PHENOLIC RESIN COMPOSITIONS AND THEIR USE IN FOUNDRY BINDERS                                                | 676908    | 2/19/1991  | RE34092 | 10/6/1992  |

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| PHENOLIC RESINS (RESOLES) WITH LOW (FORMALDEHYDE) EMISSIONS & HIGH WATER TOLERANCE                            | 09/735284 | 12/12/2000 | 6362275 | 3/26/2002  |
| PHENOLIC-URETHANE FOUNDRY BINDERS WITH IMPROVED HUMIDITY                                                      | 10/131101 | 4/24/2002  | 6664310 | 12/16/2003 |
| PITCH CONTROL IN ACID PULP AND PAPERMAKING SYSTEMS                                                            | 08/584967 | 1/11/1996  | 5702644 | 12/30/1997 |
| PITCH DISPERSANT CONTAINING MALEIC ANHYDRIDE AND CATIONIC GUAR                                                | 08/692829 | 7/30/1996  | 5744003 | 4/28/1998  |
| PITCH DISPERSANT CONTAINING MALEIC ANHYDRIDE AND CATIONIC GUAR                                                | 09/060725 | 4/15/1998  | 6051160 | 4/18/2000  |
| PIVOTAL DISPENSING NOZZLE WITH DIVERTER SPRAY VALVE                                                           | 10/350161 | 1/23/2003  | 6824025 | 11/20/2004 |
| PLASTIC CONTAINER ASSEMBLY AND IMPROVED PROCESS FOR EFFECTING ELECTROMAGNETIC BONDING OF PLASTIC PARTS        | 07/652132 | 2/7/1991   | 5453149 | 9/26/1995  |
| PLASTIC EXTRUSION TIP - FOR CAULKING CARTRIDGES                                                               | 677271    | 3/28/1991  | D333955 | 3/16/1993  |
| PLASTIC PALLET ASSEMBLY BY INDUCTION WELDING                                                                  | 09/211724 | 12/14/1998 |         |            |
| PLASTICIZER RESISTANT LATEX EMULSION PRESSURE SENSITIVE ADHESIVE                                              | 09/597188 | 6/20/2000  | 6420023 | 7/16/2002  |
| POLY(AMIDE-THIOETHER) & POLY (AMIDE- ESTER-THIOETHER) CONTAINING THERMOSET POLYMERIC COMPOSITIONS             | 944108    | 12/22/1986 | 4737572 | 4/12/1988  |
| POLYCARBOXYLATE-CONTAINING ANTIFREEZE/COOLANT ADDITIVE FOR USE IN HARD WATER APPLICATIONS                     | 734720    | 7/23/1991  | 5290468 | 3/1/1994   |
| POLYCARBOXYLATE-CONTAINING ANTIFREEZE/COOLANT ADDITIVE FOR RESISTING CAVITATION EROSION-CORROSION ON ALUMINUM | 734719    | 7/23/1991  | 5290467 | 3/1/1994   |
| POLYCARBOXYLATE CONTAINING ANTIFREEZE/COOLANT ADDITIVE...                                                     | 734721    | 7/23/1991  | 5320771 | 6/14/1994  |
| POLYESTER BASED DIMETHACRYLATES DESIGNED FOR LAMINATING APPLICATIONS                                          | 10/274589 | 10/21/2002 |         |            |
| POLYESTER COMPOSITIONS                                                                                        | 07/826244 | 1/27/1992  | 5166291 | 11/24/1992 |
| POLYESTER-POLYETHER HYBRID URETHANE ACRYLATE OLIGOMER FOR UV CURING PRESSURE SENSITIVE ADHESIVES              | 10/832871 | 4/27/2004  |         |            |
| POLYISOCYANATE COMPOSITIONS AND THEIR USE                                                                     | 10/075975 | 2/14/2002  | 6883587 | 4/26/2005  |
| POLYMER COMPOSITE AND A METHOD FOR ITS PREPARATION                                                            | 09/062915 | 4/20/1998  | 6287992 | 9/11/2001  |
| POLYMERIZABLE COMPOSITIONS                                                                                    | 07/616801 | 1/20/1990  | 5126396 | 6/30/1992  |
| POLYOL URETHANE (NON-PHENOLIC) NO-BAKE FOUNDRY BINDERS WITH IMPROVED HUMIDITY                                 | 09/911677 | 7/24/2001  | 6602931 | 8/5/2003   |
| POLYOL/POLYEPOXIDE/POLYURETHANE ADHESIVES                                                                     | 702706    | 2/19/1985  | 4613660 | 9/23/1986  |
| POLYUREAURETHANE PRIMERLESS STRUCTURAL ADHESIVE                                                               | 08/332625 | 10/31/1994 | 5548056 | 8/20/1996  |
| POLYURETHANE ADHESIVED FOR A SURFACE TREATMENT - FREE FIBER REINFORCED PLASTIC                                | 158005    | 2/18/1988  | 4876308 | 10/24/1989 |
| POLYURETHANE ADHESIVED FOR A SURFACE                                                                          | 08/002013 | 1/8/1993   | RE37386 | 9/18/2001  |

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| TREATMENT - FREE FIBER REINFORCED PLASTIC                                                                       |           |            |         |            |
| POLYURETHANE BINDERS WHICH UTILIZE SOLVENTLESS PHENOLIC RESIN COMPONENT                                         | 08/207315 | 3/7/1994   | 5455287 | 10/3/1995  |
| POLYURETHANE FORMING BINDER COMPOSITIONS CONTAINING CERTAIN CARBOXYLIC ACIDS AS BENCHLIFE EXTENDERS             | 195562    | 5/16/1988  | 4852629 | 8/1/1989   |
| POLYURETHANE FORMING BINDER COMPOSITIONS CONTAINING CERTAIN CARBOXYLIC ACIDS AS BENCHLIFE EXTENDERS             | 899696    | 8/25/1986  | 4760101 | 7/26/1988  |
| POLYURETHANE FORMING FOUNDRY BINDERS AND THEIR USE                                                              | 454616    | 12/21/1989 | 5101001 | 3/31/1992  |
| POLYURETHANE FORMING NO-BAKE FOUNDRY BINDER CONTAINING HYDROFLUORIC ACID AND SILANE AGENT                       | 09/032690 | 2/28/1998  | 6017978 | 1/25/2000  |
| POLYURETHANE OLIGOMER IMPACT AND SHRINKAGE MODIFIERS FOR THERMOSET POLYESTERS                                   | 179763    | 1/10/1994  | 5374676 | 12/20/1994 |
| POLYURETHANE-FORMING BINDERS                                                                                    | 09/912275 | 7/24/2001  | 6632856 | 10/14/2003 |
| POLYURETHANE-FORMING FOUNDRY BINDERS CONTAINING A POLYESTERPOLYOL                                               | 264649    | 10/31/1988 | 4946876 | 8/7/1990   |
| POLYURETHANE-FORMING FOUNDRY BINDERS CONTAINING A POLYETHERPOLYOL                                               | 514066    | 4/24/1990  | 5132339 | 7/21/1992  |
| POWDERED FLUX FOR TREATING ALUMINUM-SILICON ALLOYS AND METHOD OF USE                                            | 180876    | 4/13/1988  | 4808222 | 2/28/1989  |
| PREPARATION OF LOW PROFILE ADDITIVES FROM PET RECYCLE                                                           | 08/590033 | 2/2/1996   | 5552478 | 9/3/1996   |
| PREPARATION OF LOW PROFILE ADDITIVES FROM PET RECYCLE                                                           | 08/595538 | 2/2/1996   | 5756554 | 5/26/1998  |
| PREPARATION OF LOW PROFILE ADDITIVES FROM PET RECYCLE                                                           | 09/047754 | 3/25/1998  | 5932666 | 8/3/1999   |
| PREPARATION OF POLY (ETHER AMIDE) FROM BIS-OXZOLINE-PHENOLIC RESIN USING AMMONIUM OR PHOSPHONIUM SALT CATALYSTS | 38417     | 3/29/1993  | 5302687 | 4/12/1994  |
| PREPARATION OF STABLE NANOTUBE DISPERSIONS IN LIQUIDS                                                           | 10/021767 | 12/12/2001 | 6783746 | 8/31/2004  |
| PRESSURE SENSITIVE ADHESIVE WITH ENHANCED ADHESION TO LOW SURFACE ENERGY SUBSTRATES                             | 86101     | 6/30/1993  | 5434213 | 7/18/1995  |
| PRESSURE SENSITIVE ADHESIVES                                                                                    | 10/010170 | 11/13/2001 | 6590031 | 7/8/2003   |
| PRESSURE SENSITIVE ADHESIVES                                                                                    | 10/436780 | 5/13/2003  | 6861152 | 3/1/2005   |
| PRESSURE-SENSITIVE ADHESIVE COMPOSITIONS HAVING IMPROVED PEEL FORCE RETENTION ON FLEXIBLE VINYL SUBSTRATES      | 08/419215 | 4/10/1995  | 5716701 | 2/10/1998  |
| PRIMER AND SEALANT FOR GLASS AND COATED METAL                                                                   | 835918    | 3/4/1986   | 4643794 | 2/17/1987  |
| PRIMER FOR USE ON SINGLE PLY EPDM LAP JOINTS                                                                    | 239719    | 9/1/1988   | 4897137 | 1/30/1990  |
| PRIMERLESS ADHESIVE FOR FIBERGLASS REINFORCED POLYESTER SUBSTRATES                                              | 831122    | 2/4/1992   | 5143996 | 9/1/1992   |
| PRIMERLESS POLYURETHANE ADHESIVES FOR FIBERGLASS REINFORCED POLYESTER                                           | 87194     | 8/20/1987  | 4923756 | 5/8/1990   |
| PRIMERLESS URETHANE ADHESIVE COMPOSITIONS                                                                       | 08/299790 | 9/1/1994   | 5606003 | 2/25/1997  |

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| PRIMERLESS POLYURETHANE ADHESIVES FOR FIBERGLASS REINFORCED POLYESTER WITH LOWER POSTBAKING TEMPERATURE CONDITIONS   | 463099    | 1/11/1990 | 5002806 | 3/26/1991  |
| PROCESS AND APPARATUS FOR PRODUCING AN AQUEOUS SOLUTION CONTAINING CHLORINE DIOXIDE AND CHLORINE                     | 173520    | 3/25/1988 | 4886653 | 12/12/1989 |
| PROCESS AND APPARATUS FOR REMOVING A PLASTIC FITTING FROM AHEAD OF A PLASTIC DRUM AND FITTING CONFIGURATION THEREFOR | 128030    | 12/3/1987 | 4880580 | 11/14/1989 |
| PROCESS AND APPARATUS FOR TESTING FLUIDS FOR FOULING AND ANTIFOULANT PROTOCOL                                        | 323746    | 2/17/1989 | RE33468 | 12/4/1990  |
| PROCESS FOR ALUMINUM REFINERY CONDENSATE RECOVERY USING INORGANIC COAGULENT                                          | 60/686710 | 6/2/2005  |         |            |
| PROCESS FOR ALUMINUM REFINERY CONDENSATE RECOVERY USING PH ADJUSTMENT                                                | 60/686709 | 6/2/2005  |         |            |
| PROCESS FOR ALUMINUM REFINERY CONDENSATE RECOVERY USING PH ADJUSTMENT                                                | 60/683964 | 5/24/2005 |         |            |
| PROCESS FOR DIGESTING WOODCHIPS AND DIGESTER ADDITIVES                                                               | 10/377527 | 2/28/2003 | 6649023 | 11/18/2003 |
| PROCESS FOR HIGH TEMPERATURE RESINS IN INSULATION FOAMS                                                              | 10/933514 | 9/3/2004  |         |            |
| PROCESS FOR INHIBITING SCALE                                                                                         | 10/147660 | 5/16/2002 | 6858180 | 2/22/2005  |
| PROCESS FOR INHIBITING THE CORROSION OF ALUMINUM                                                                     | 281516    | 7/8/1981  | 4389371 | 6/21/1983  |
| PROCESS FOR INHIBITING THE MOVEMENT OF FREE FLOWING PARTICLES                                                        | 11/040484 | 1/21/2005 |         |            |
| PROCESS FOR INHIBITING THE MOVEMENT OF FREE FLOWING PARTICLES                                                        | 11/040479 | 1/21/2005 |         |            |
| PROCESS FOR PREPARING BENZYLIC ETHER PHENOLIC RESOLE RESINS                                                          | 10/933513 | 9/3/2004  |         |            |
| PROCESS FOR PREPARING BENZYLIC ETHER PHENOLIC RESOLE RESINS                                                          | 08/683683 | 7/17/1996 | 5756640 | 5/26/1998  |
| PROCESS FOR PREPARING RIGID, CLOSED-CELL ISOCYANURATE FOAMS, AND FOAMS PREPARED THEREBY                              | 10/933546 | 9/3/2004  |         |            |
| PROCESS FOR PRODUCING AN AQUEOUS SOLUTION CONTAINING CHLORINE DIOXIDE AND CHLORINE                                   | 173476    | 3/25/1988 | 4839152 | 6/13/1989  |
| PROCESS FOR RECOVERY OF AMINE FROM SPENT ACID STRIPPING LIQUOR                                                       | 6609225   | 7/6/1984  | 4543163 | 9/24/1985  |
| PROCESS FOR REDUCING CONTAMINANTS IN PROCESS WATER AND/OR CONDENSATE                                                 | 11/143914 | 6/2/2005  |         |            |
| PROCESS FOR REDUCING CONTAMINANTS IN PROCESS WATER AND/OR CONDENSATE                                                 | 10/949695 | 9/24/2004 |         |            |
| PROCESS FOR REDUCING IRON OXIDE DEPOSIT IN A BOILER USING MEKOR                                                      | 10/176090 | 6/20/2002 |         |            |
| PROCESSES FOR THE MANUFACTURE OF ENRICHED PITCHES AND CARBON FIBERS                                                  | 839231    | 3/12/1986 | 4996037 | 2/26/1991  |

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| PROTEUS-BUSINESS METHOD FOR MONITORING, PREDICTING AND RESPONDING TO ON-BOARD VESSEL SAFETY CERTIFICATION          | 10/762878 | 1/22/2004  |         |           |
| QUATS AND CLO2 AS BIOCIDES BLEND                                                                                   | 08/396135 | 2/28/1995  | 5611938 | 3/18/1997 |
| R2 CERAMIC MACHINE                                                                                                 | 08/865210 | 5/29/1997  | 6045057 | 4/4/2000  |
| RADAR DETECTOR FALSE ALARM                                                                                         | 09/817872 | 3/27/2001  |         |           |
| RADIATION CURABLE, SOLVENTLESS LAMINATING ADHESIVE                                                                 | 10/217345 | 8/12/2002  |         |           |
| RADIATION-CURABLE COATINGS FOR METAL SUBSTRATES FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS                            | 11/117304 | 4/29/2005  |         |           |
| RADIATION-CURABLE COATINGS FOR PLASTIC SUBSTRATES FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS                          | 10/836747 | 5/2/2004   |         |           |
| RADIATION-CURABLE COATINGS FOR WOOD SUBSTRATES FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS                             | 10/834176 | 4/29/2004  |         |           |
| RADIATION-CURABLE INKS FOR LITHOGRAPHIC-PRINTING APPLICATIONS FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS              | 10/835058 | 4/30/2004  |         |           |
| RADIATION-CURABLE INKS FOR SCREEN-PRINTING APPLICATIONS FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS                    | 10/682874 | 10/14/2003 |         |           |
| RADIATION-CURABLE OVER-PRINT VARNISH FORMULATIONS FROM MULTIFUNCTIONAL ACRYLATE OLIGOMERS                          | 11/109479 | 4/19/2005  |         |           |
| RADIO-CURABLE TWO-PART POLYURETHANE-SOY PROTEIN ADHESIVE                                                           | 09/768672 | 1/24/2001  | 6365650 | 4/2/2002  |
| RADIO-CURABLE TWO-PART POLYURETHANE-SOY PROTEIN ADHESIVE                                                           | 09/314420 | 5/18/1999  | 6231985 | 5/18/1999 |
| RAPID COOLING SYSTEM CLEANING FORMULATIONS                                                                         | 980852    | 11/24/1992 | 5342537 | 8/30/1994 |
| RAPID CURING AND HIGH HEAT STABLE THERMOSET COMPOSITIONS                                                           | 795028    | 11/4/1985  | 4661562 | 4/28/1987 |
| RAPID CURING POLY (ETHER-AMIDE) POLYMERIC COMPOSITIONS                                                             | 57476     | 6/3/1987   | 4746719 | 5/24/1988 |
| RAPID CURING THERMOSET POLYMERIC COMPOSITIONS                                                                      | 66386     | 6/25/1987  | 4737564 | 4/12/1988 |
| RAPID ROOM TEMPERATURE CURING POLYURETHANE COATINGS FOR THE INTERIOR AND EXTERIOR PROTECTION OF CAST IRON PIPE     | 6645026   | 8/28/1984  | 4542049 | 9/17/1985 |
| REACTIONS OF BIS-OXAZOLINES WITH POLYCARBOXYLIC ACIDS CATALYZED BY ALKALI OR ALKALINE EARTH METAL CATIONIC COMPLEX | 765636    | 8/15/1985  | 4644052 | 2/17/1987 |
| RECOVERY OF METAL VALUES FROM ORES                                                                                 | 362896    | 7/7/1989   | 4929274 | 5/29/1990 |
| REDUCING FLUORIDE CONTENT THROUGH THE USE OF ALUMINUM DROSS IN EXOTHERMIC RISER SLEEVES                            | 09/596620 | 6/19/2000  | 6360808 | 3/26/2002 |
| REFRACTORY COATINGS FOR MAKING REFRACTORY SHELLS                                                                   | 322315    | 3/10/1989  | 4948765 | 8/14/1990 |
| REFRACTORY MIXES CONTAINING CONDENSED TANNIN AND FURFURYL ALCOHOL, AND THEIR USES                                  | 60/618927 | 10/14/2004 |         |           |

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| RESIN FROM PHENOLIC AND OXAZOLINES USING PHOSPHINE CATALYSTS                          | 30799     | 3/27/1987  | 4748230 | 5/31/1988  |
| RESINS FROM PHENOLICS AND OXAZOLINES USING TRIALKYL OR ARYLPHOSPHITE AS CATALYST      | 880477    | 6/30/1986  | 4699970 | 10/13/1987 |
| RESINOUS MOLDING COMPOSITIONS                                                         | 784399    | 10/4/1985  | 4652620 | 3/24/1987  |
| RETENTION AND/OR DRAINAGE AND/OR DEWATERING AID                                       | 721876    | 4/10/1985  | 4894119 | 1/16/1990  |
| REUSABLE PLASTIC DRUM CONTAINER ASSEMBLY                                              | 369778    | 6/21/1989  | 4941584 | 7/17/1990  |
| RISER SLEEVES PRODUCED WITH A SECONDARY BINDER                                        | 09/005769 | 1/12/1998  | 5983984 | 11/16/1999 |
| RUST CLEANING AND CORROSION PROTECTION FOR LAYUP                                      | 09/952489 | 9/14/2001  | 6514350 | 2/4/2003   |
| RUST PREVENTIVE COATING COMPOSITION FOR BALLAST TANKS                                 | 81438     | 6/21/1993  | 5338346 | 8/16/1994  |
| SAG RESISTANT HIGH PERFORMANCE TWO-COMPONENT EPOXY STRUCTURAL ADHESIVES               | 842586    | 3/21/1986  | 4661539 | 4/28/1987  |
| SAG RESISTANT TWO-COMPONENT URETHANE ADHESIVES AND IMPROVED THERMAL STABILITY         | 887482    | 7/21/1986  | 4698408 | 10/6/1987  |
| SAG RESISTANT URETHANE ADHESIVES WITH IMPROVED ANTIFOAMING PROPERTY                   | 935862    | 11/28/1986 | 4728710 | 3/1/1988   |
| SAG RESISTANT, HIGH PERFORMANCE EPOXY STRUCTURAL ADHESIVES                            | 913903    | 10/1/1986  | 4695605 | 9/22/1987  |
| SAG RESISTANT, HIGH PERFORMANCE, TWO-COMPONENT STRUCTURAL ADHESIVES                   | 239876    | 9/2/1988   | 4916187 | 4/10/1990  |
| SAG RESISTANT, HIGH PERFORMANCE, TWO-COMPONENT STRUCTURAL ADHESIVES                   | 18363     | 2/24/1987  | 4775728 | 10/4/1988  |
| SAG RESISTANT, TWO COMPONENT URETHANE ADHESIVES                                       | 19167     | 2/26/1987  | 4743672 | 5/10/1988  |
| SEALANT-ADHESIVE TAPE                                                                 | 375425    | 7/3/1989   | 5095068 | 3/10/1992  |
| SELF-PHOTOINITIATING MULTIFUNCTIONAL ACRYLATES WITH SELF-CONTAINED AMINE SYNERGIST    | 09/974819 | 10/12/2001 | 6673851 | 1/6/2004   |
| SELF-PHOTOINITIATING WATER-DISPERSIBLE POLYURETHANE ACRYLATE IONOMERS                 | 10/834056 | 4/29/2004  |         |            |
| SIGN                                                                                  | 29/092964 | 8/31/1998  | D415207 | 12/12/1999 |
| SIGN                                                                                  | 29/092734 | 8/26/1998  | D420053 | 2/1/2000   |
| SILICONE BASED DEFOAMER                                                               | 09/599134 | 6/22/2000  | 6426379 | 7/30/2002  |
| SMOKE CHAMBER FOR LABORATORY EVALUATION OF FOUNDRY SAND SHAPES                        | 09/633395 | 8/7/2000   | 6377348 | 4/23/2002  |
| SODIUM SILICATE CORROSION INHIBITOR BLEND FOR AQUEOUS SYSTEM                          | 08/317133 | 10/3/1994  | 5578246 | 11/26/1996 |
| SOLVENTLESS POLYURETHANE NO-BAKE FOUNDRY BINDER CONTAINING AROMATIC POLYESTER POLYOLS | 09/519395 | 3/3/2000   | 6291550 | 9/18/2001  |
| SOLVENTLESS POLYURETHANE NO-BAKE FOUNDRY BINDER CONTAINING AROMATIC POLYESTER POLYOLS | 09/226940 | 1/8/1999   | 6063833 | 5/16/2000  |
| SPICE CEMENT (ADHESIVE) FOR SINGLE PLY ROOFING MEMBRANE                               | 158416    | 2/22/1988  | 4881996 | 11/21/1989 |
| SPRAY BOTTLE                                                                          | 697953    | 5/9/1991   | D333609 | 3/2/1993   |
| STABILIZED FOAM CONTROL COMPOSITIONS FOR LUBRICATING COMPOSITIONS AND THEIR USE       | 10/382475 | 3/6/2003   |         |            |

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| STABLE POLYISOCYANATES CONTAINING ALLOPHANATE LINKAGES                                                         | 08/740342 | 11/7/1996  | 5902840 | 5/11/1999 |
| STABLE VINYL ESTER RESIN HAVING LOW EPOXY VALUE AND COPPER NAPHTHENATE                                         | 08/831104 | 4/1/1997   | 5861466 | 1/19/1999 |
| SULFURATION OF ORGANIC FOUNDRY BINDERS FOR IMPROVED CORE REMOVAL                                               | 09/627993 | 7/28/2000  | 6426374 | 7/30/2002 |
| SULFURIC ACID PREPARATION VESSEL                                                                               | 08/378350 | 1/26/1995  | 5636427 | 6/17/1997 |
| SURFACER IMPROVER FOR REINFORCED COMPOSITES COMPOSITIONS                                                       | 10/512802 | 10/21/2004 |         |           |
| SURFACTANTS BASED DIGESTER ADDITIVES FOR PULPING WOODCHIPS                                                     | 09/915750 | 7/26/2001  | 6740199 | 5/25/2004 |
| SURFACTANTS BASED DIGESTER ADDITIVES FOR PULPING WOODCHIPS                                                     | 09/917868 | 7/26/2001  | 6551452 | 4/22/2003 |
| SYNERGISTIC ALL ORGANIC DEPOSIT/CORROSION CONTROL BLENDS FOR CLOSED RECIRCULATING COOLING WATER SYSTEMS        | 09/419524 | 10/18/1999 | 6403028 | 6/11/2002 |
| SYNERGISTIC FILLER COMBINATIONS TO PRODUCE TOUGH LOW DENSITY CLASS A SMC                                       | 11/124356 | 5/9/2005   |         |           |
| SYNERGISTIC POLYMER BLENDS FOR PHOSPHATE STABILIZATION                                                         | 09/737534 | 12/15/2000 | 6503400 | 1/7/2003  |
| SYNTHESIS OF GEL PARTICLE FREE RESINS USING LOW GRADE DCPD                                                     | 10/152714 | 5/22/2002  | 6515071 | 2/4/2003  |
| TEMPERATURE CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIAL                                                 | 11/070539 | 3/2/2005   |         |           |
| TEMPERATURE CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIAL                                                 | 09/847055 | 5/1/2001   |         |           |
| TEMPERATURE CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIAL                                                 | 09/090865 | 6/5/1998   | 6056844 | 5/2/2000  |
| TEMPERATURE CONTROLLED INDUCTION HEATING OF POLYMERIC MATERIAL                                                 | 09/562188 | 5/2/2000   |         |           |
| THE HIGH-MALEATE PROCESS FOR PREPARING LOW-VOC UNSATURATED POLYESTER LAMINATING RESINS                         | 09/449913 | 12/2/1999  | 6107446 | 8/22/2000 |
| THE HIGH-MALEATE PROCESS FOR PREPARING LOW-VOC UNSATURATED POLYESTER LAMINATING RESINS                         | 09/599236 | 6/22/2000  | 6222005 | 4/24/2001 |
| THE PREPARATION AND USE OF CONCENTRATED MIXTURES TO CONTROL FOAM IN WATER BASED SYSTEMS                        | 10/382481 | 3/6/2003   |         |           |
| THE USE OF CHELATING AGENTS AS BENCHLIFE EXTENDERS                                                             | 08/095583 | 7/23/1993  | 5447968 | 9/5/1995  |
| THE USE OF CHLORINE DIOXIDE FOR THE PREVENTION OF ZEBRA MUSSEL VELIGER AND POST VELIGER SETTLEMENT             | 08/841087 | 4/29/1997  | 6106730 | 8/22/2000 |
| THE USE OF POLYHYDRIC ALCOHOLS WITH HEAT CURED INORGANIC BINDERS                                               | 08/762670 | 12/11/1996 | 5743953 | 4/28/1998 |
| THERMOSET MOLDING COMPOSITIONS                                                                                 | 6866      | 1/27/1987  | 4758400 | 7/19/1988 |
| THERMOPLASTIC POLYESTERS USED AS LOW PROFILE ADDITIVE FOR VINYL ESTER SMC                                      | 625975    | 12/11/1990 | 5116917 | 5/26/1992 |
| THERMOSET RESINS BASED ON BICYCLIC AMIDE ACETAL MOD. UNSATURATED POLYCARBOXYLIC ACIDS, POLYISOCYANATES & VINYL | 776246    | 9/16/1985  | 4584363 | 4/22/1986 |

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| THERMOSETTING INORGANIC CLAY NANODISPERSIONS AND THEIR USE                                                                                   | 10/120181  | 4/10/2002  | 6887931 | 5/3/2005   |
| THERMOSETTING OXAZOLINE BASED RESINS FOR RESIN TRANSFER MOLDING                                                                              | 229289     | 8/8/1988   | 4839446 | 6/13/1989  |
| THIOCARBAMATE FOUNDRY BINDERS WITH IMPROVED THERMAL CORE REMOVAL FOR ALUMINUM CASTING                                                        | 09/575916  | 5/23/2000  | 6387983 | 5/14/2002  |
| TIRE PROTECTANT APPLICATOR                                                                                                                   | 08/963526  | 11/3/1997  | 5896616 | 4/27/1999  |
| TIRE PROTECTANT APPLICATOR                                                                                                                   | 09/249207  | 2/12/1999  | 5987694 | 11/23/1999 |
| TIRE SIDEWALL PROTECTANT DISPENSER AND APPLICATOR HEAD                                                                                       | 29/181,631 | 5/14/2003  | D496766 | 9/28/2004  |
| TIRE SIDEWALL PROTECTANT DISPENSER AND APPLICATOR HEAD                                                                                       | 29/181626  | 5/14/2003  | D496510 | 9/21/2004  |
| TMOF AS STABILIZING AGENT                                                                                                                    | 10/626189  | 7/24/2003  |         |            |
| TOUGHENING OF CURED VINYL ESTER RESINS BY INCLUSION IN THE UNCURED RESINS OR OLIGOMERIC VINYL-REACTIVE URETHANES WHICH PHASE OUT UPON CURING | 819669     | 1/17/1986  | 4824919 | 4/25/1989  |
| TWO-COMPONENT EPOXY STRUCTURAL ADHESIVES WITH IMPROVED FLEXIBILITY                                                                           | 844600     | 6/23/1986  | 4728384 | 3/1/1988   |
| TWO-COMPONENT PRIMERLESS MODIFIED URETHANE ADHESIVE FOR POWDER COATINGS                                                                      | 877940     | 5/4/1992   | 5354609 | 10/11/1994 |
| TWO-COMPONENT PRIMERLESS, ORGANIC PHOSPHOROUS CONTAINING POLYURETHANE ADHESIVE                                                               | 55406      | 4/29/1993  | 5340901 | 8/23/1994  |
| TWO-COMPONENT PRIMERLESS, URETHANE-ISOCYANURATE ADHESIVE COMPOSITIONS HAVING HIGH TEMPERATURE RESISTANCE                                     | 805255     | 12/9/1991  | 5175228 | 12/29/1992 |
| TWO-PART POLYURETHANE ADHESIVES FOR STRUCTURAL FINGER JOINTS                                                                                 | 09/988236  | 11/19/2001 |         |            |
| TWO-PART POLYURETHANE ADHESIVES FOR STRUCTURAL FINGER JOINTS                                                                                 | 10/626387  | 7/24/2003  |         |            |
| UNSATURATED POLYESTER RESIN AND THE USE OF IT                                                                                                | 09/806337  | 3/29/2001  | 6489406 | 12/3/2002  |
| UNSATURATED POLYESTER RESIN COMPOSITIONS                                                                                                     | 09/889951  | 2/2/2000   | 6617417 | 9/9/2003   |
| UNSATURATED POLYESTER RESINS                                                                                                                 | 09/515,278 | 2/29/2000  | 6268464 | 7/31/2001  |
| USE OF BUTYL TALLATE IN EPOXY AND EPOXY-ACRYLIC COLD BOX BINDERS                                                                             | 10/627470  | 7/25/2003  |         |            |
| USE OF HIGH FUNCTIONALITY EPOXY NOVOLACS IN SO2 CURED FOUNDRY BINDER SYSTEMS                                                                 | 09/964963  | 9/27/2001  | 6686402 | 2/3/2004   |
| USE OF NANOCCLAYS TO MAKE LOW DENSITY SMC MATERIALS WITH UNSATURATED POLYESTER AND VINYL ESTER RESINS                                        | 10/123513  | 4/16/2002  |         |            |
| USE OF ORGANIC HALOPHOSPHATES AS BENCH LIFE EXTENDERS FOR PHENOLIC RESIN POLYISOCYANATE BINDER SYSTEMS                                       | 832687     | 2/25/1986  | 4683252 | 7/28/1987  |
| USE OF POLY-ETHYLSILICATES IN SO2 CURED FOUNDRY BINDER SYSTEMS TO ENHANCE HOT STRENGTH PROPERTIES                                            | 10/076057  | 2/14/2002  | 6604567 | 8/12/2003  |
| USE OF POLYETHYLSILICATE IN EPOXY NON-ACRYLIC COLD BOX BINDERS                                                                               | 10/628056  | 7/25/2003  |         |            |

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| DEVICES AND METHODS FOR TREATING COOLING FLUIDS UTILIZED IN TIRE MANUFACTURING                                | 60/629152 | 11/17/2004 |         |            |
| UV CURABLE 100% REACTIVE SMC PRIMERS FOR STRUCTURAL ADHESIVE BONDING                                          | 930205    | 11/13/1986 | 4751103 | 6/14/1988  |
| UV CURABLE LOW GLOSS ADDITIVE FOR OVERPRINT VARNISH COATING FORMULATIONS AND COATINGS THEREFROM               | 10/963420 | 10/12/2004 |         |            |
| UV POST CURABLE PRESSURE SENSITIVE ADHESIVES FOR MEMBRANE SWITCH APPLICATIONS                                 | 09/633509 | 8/7/2000   | 6342122 | 1/29/2002  |
| UV-CURING THIOLLENES FOR PRESSURE SENSITIVE AND HOTMELT ADHESIVES                                             | 10/722478 | 11/28/2003 |         |            |
| VARIABLE FLOW CHLORINE DIOXIDE GENERATOR                                                                      | 709010    | 5/31/1991  | 5227306 | 7/13/1993  |
| VINYL ESTER AND NORBORNYL TERMINATED UNSATURATED POLYESTER (POLYESTERAMIDE) BLENDS                            | 947001    | 12/29/1986 | 4753982 | 6/28/1988  |
| WARM BOX FOUNDRY BINDERS CONTAINING RESORCINOL PITCH                                                          | 08/423599 | 4/17/1995  | 5607986 | 1/4/1997   |
| WATER BASED RUST PREVENTATIVE COATING FOR BALLAST TANKS AND OTHER APPLICATIONS                                | 08/723854 | 9/30/1996  | 5660890 | 8/26/1997  |
| WATER REPELLENT GLASS TREATMENT FOR AUTOMOTIVE APPLICATIONS                                                   | 09/607380 | 6/30/2000  | 6461537 | 10/8/2002  |
| WATER-BORNE ACRYLIC EMULSION PSA COMPOSITIONS CONTAINING MULTIFUNCTIONAL MONOMER HAVING IMPROVED REMOVABILITY | 08/589769 | 1/22/1996  | 5763555 | 6/9/1998   |
| WATER-WHITENING RESISTANT LATEX EMULSION PRESSURE SENSITIVE ADHESIVE                                          | 10/462381 | 6/16/2003  |         |            |
| WATER-WHITENING RESISTANT LATEX EMULSION PRESSURE SENSITIVE ADHESIVE                                          | 09/567855 | 5/9/2000   | 6359092 | 3/19/2002  |
| WELDING A RIGID THERMOPLASTIC TO FLEXIBLE THERMOPLASTIC ELASTOMER VIA THE EMABOND PROCESS                     | 09/025881 | 2/19/1998  | 5968304 | 10/19/1999 |
| WELDING A RIGID THERMOPLASTIC TO FLEXIBLE THERMOPLASTIC ELASTOMER VIA THE EMABOND PROCESS                     | 08/856327 | 5/14/1997  | 5810958 | 9/22/1998  |
| WHEEL CLEANING DEVICE                                                                                         | 09/761019 | 1/16/2001  | 6470526 | 10/29/2002 |
| ZERO VOC FOAM CONTROL AGENTS FOR ZERO LATEX PAINTS                                                            | 08/143002 | 10/26/1993 | 5510409 | 4/23/1996  |
| ZERO VOC, ZERO NITROGEN WARM BOX BINDER                                                                       | 08/442485 | 5/16/1995  | 5612392 | 3/18/1997  |

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