

PATENT ASSIGNMENT

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| SUBMISSION TYPE:            | NEW ASSIGNMENT                    |
| NATURE OF CONVEYANCE:       | RELEASE BY SECURED PARTY          |
| CONVEYING PARTY DATA        |                                   |
| Name                        | Execution Date                    |
| CITIBANK, N.A.              | 06/15/2009                        |
| RECEIVING PARTY DATA        |                                   |
| Name:                       | SABIC INNOVATIVE PLASTICS IP B.V. |
| Street Address:             | 1 PLASTICS AVENUE                 |
| City:                       | PITTSFIELD                        |
| State/Country:              | MASSACHUSETTS                     |
| Postal Code:                | 01201                             |
| PROPERTY NUMBERS Total: 149 |                                   |
| Property Type               | Number                            |
| Patent Number:              | 6733950                           |
| Patent Number:              | 6991889                           |
| Application Number:         | 10986611                          |
| Application Number:         | 11211400                          |
| Application Number:         | 10439506                          |
| Patent Number:              | 7226719                           |
| Application Number:         | 10957518                          |
| Patent Number:              | 7223520                           |
| Patent Number:              | 7015640                           |
| Application Number:         | 11292281                          |
| Application Number:         | 11376325                          |
| Application Number:         | 11378480                          |
| Application Number:         | 11188984                          |
| Patent Number:              | 7154220                           |
| Application Number:         | 11398724                          |

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PATENT  
REEL: 022846 FRAME: 0411

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| Application Number: | 11070772 |
| Application Number: | 10315397 |
| Application Number: | 10652016 |
| Patent Number:      | 6790501  |
| Patent Number:      | 7087282  |
| Application Number: | 10743646 |
| Patent Number:      | 7226720  |
| Application Number: | 10925090 |
| Application Number: | 10686290 |
| Patent Number:      | 6925051  |
| Patent Number:      | 7170609  |
| Patent Number:      | 7271913  |
| Application Number: | 10952635 |
| Application Number: | 11668061 |
| Application Number: | 10779373 |
| Application Number: | 11300201 |
| Application Number: | 10628181 |
| Application Number: | 10823954 |
| Application Number: | 11119480 |
| Application Number: | 10814697 |
| Application Number: | 10955408 |
| Application Number: | 11824206 |
| Application Number: | 10928939 |
| Application Number: | 10879468 |
| Application Number: | 10988481 |
| Application Number: | 11828543 |
| Application Number: | 10900624 |
| Patent Number:      | 7285427  |
| Application Number: | 11241050 |
| Application Number: | 11014138 |
| Application Number: | 11315248 |
| Application Number: | 11009143 |
| Patent Number:      | 7226818  |
| Application Number: | 11740054 |
| Application Number: | 10994979 |

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| Application Number: | 11091800 |
| Application Number: | 11218847 |
| Application Number: | 11263167 |
| Application Number: | 11273832 |
| Application Number: | 10964092 |
| Application Number: | 10954779 |
| Application Number: | 11226642 |
| Application Number: | 11226873 |
| Application Number: | 11678215 |
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| Application Number: | 11263166 |
| Application Number: | 11403674 |
| Application Number: | 11193552 |
| Application Number: | 11103971 |
| Application Number: | 11739264 |
| Application Number: | 11300553 |
| Application Number: | 11272312 |
| Application Number: | 11171713 |
| Application Number: | 11515605 |
| Application Number: | 11314877 |
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| Application Number: | 11314539 |
| Application Number: | 11315455 |
| Application Number: | 11314337 |
| Application Number: | 11314268 |
| Application Number: | 11316267 |
| Application Number: | 11291682 |
| Application Number: | 11260806 |
| Application Number: | 11636856 |
| Application Number: | 11296246 |
| Application Number: | 11598947 |
| Patent Number:      | 7102802  |
| Application Number: | 11317918 |
| Application Number: | 11289912 |

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| Application Number: | 11285901 |
| Application Number: | 11286062 |
| Application Number: | 11286096 |
| Application Number: | 11286097 |
| Application Number: | 11478101 |
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| Application Number: | 11611697 |
| Application Number: | 11446077 |
| Application Number: | 11487004 |
| Application Number: | 11395861 |
| Application Number: | 11605021 |
| Application Number: | 11611642 |
| Application Number: | 11611644 |
| Application Number: | 11609912 |
| Application Number: | 11567307 |
| Application Number: | 11567313 |
| Application Number: | 11608291 |
| Application Number: | 11567308 |
| Application Number: | 11598948 |
| Application Number: | 11639726 |
| Application Number: | 11639725 |
| Application Number: | 11767667 |
| Application Number: | 11460883 |
| Application Number: | 11634713 |
| Application Number: | 11766970 |
| Application Number: | 11962933 |
| Application Number: | 11545162 |
| Application Number: | 60784788 |
| Application Number: | 11564912 |
| Application Number: | 11539874 |
| Application Number: | 11654191 |
| Application Number: | 11592549 |
| Application Number: | 11609919 |
| Application Number: | 11634592 |

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| Application Number: | 11863831 |
| Application Number: | 11962632 |
| Application Number: | 11962627 |
| Application Number: | 11585295 |
| Application Number: | 11771408 |
| Application Number: | 11958604 |
| Application Number: | 11838557 |
| Application Number: | 11863396 |
| Application Number: | 11863385 |
| Application Number: | 11956913 |
| Patent Number:      | 4174380  |
| Patent Number:      | 4231195  |
| Application Number: | 07806388 |
| Patent Number:      | 5650031  |
| Patent Number:      | 6115694  |
| Patent Number:      | 6114157  |
| Patent Number:      | 6465953  |
| Patent Number:      | 6372002  |
| Patent Number:      | 6630980  |
| Patent Number:      | 6788379  |
| Patent Number:      | 6497968  |
| Application Number: | 10253750 |
| Application Number: | 10656594 |
| Patent Number:      | 6743524  |
| Application Number: | 10802102 |
| Application Number: | 11213356 |
| Patent Number:      | 6866909  |
| Application Number: | 10384986 |
| Application Number: | 11131450 |

#### CORRESPONDENCE DATA

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**PATENT**  
**REEL: 022846 FRAME: 0415**

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ATTORNEY DOCKET NUMBER: 35729/9

NAME OF SUBMITTER: TIMOTHY FRANKLIN

**Total Attachments: 26**

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## **INTELLECTUAL PROPERTY SECURITY RELEASE**

This INTELLECTUAL PROPERTY SECURITY RELEASE (the “***IP Security Release***”) is made as of June 15, 2009 by CITIBANK, N.A. (the “***Assignee***”) and SABIC Innovative Plastics IP B.V. (the “***Assignor***”).

WHEREAS, a security interest was recorded by Assignee with the United States Patent and Trademark Office on August 18, 2008, at Reel 021423, Frame 0001 with respect to certain U.S. patents and patent applications;

WHEREAS, such security interest erroneously contained certain U.S. patents and patent applications (the “***Released Collateral***”) not owned by Assignor,

WHEREAS, the Released Collateral is identified in Schedule A attached hereto;  
and

WHEREAS, the Assignee therefore desires to release its security interest in and to the Released Collateral.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor and Assignee hereby agree as follows:

SECTION 1. Release of Security Interest. Assignee does hereby release, without recourse, representation or warranty of any kind, all of the Assignee’s right, title and interest in and to the Released Collateral.

SECTION 2. Recordation. The Assignee authorizes and requests that the United States Commissioner for Patents and any other applicable officer in any successor office or any similar office in any other country record this IP Security Release.

SECTION 3. Execution in Counterparts. This IP Security Release may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 4. Governing Law. This IP Security Release shall be governed by, and construed in accordance with, the laws of the State of New York without regards to conflicts of laws principles.

[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK].

IN WITNESS WHEREOF, the parties hereto have caused this IP Security Release to be duly executed and delivered by their respective officers thereunto duly authorized as of the date first above written.

CITIBANK, N.A.  
as Assignee

By:   
Name: DAVID JAFFE  
Title: Director/Vice President

SABIC Innovative Plastics IP B.V.  
as Assignor

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

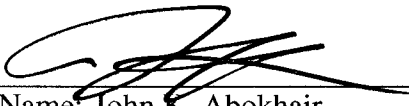


IN WITNESS WHEREOF, the parties hereto have caused this IP Security Release to be duly executed and delivered by their respective officers thereunto duly authorized as of the date first above written.

CITIBANK, N.A.  
as Assignee

By: \_\_\_\_\_  
Name:  
Title:

SABIC Innovative Plastics IP B.V.  
as Assignor

By:  \_\_\_\_\_  
Name: John K. Abokhair  
Title: Managing Director

**Schedule A – Released Collateral**

SEE ATTACHED

| Filing Country Name | Filing Status Description | Filing Type Description | Title                                                                          | Application Number | Filing/Application Dt (YYYY/MM/DD) | Publication Number | Publication Date (YYYY/MM/DD) | Patent Number |
|---------------------|---------------------------|-------------------------|--------------------------------------------------------------------------------|--------------------|------------------------------------|--------------------|-------------------------------|---------------|
| UNITED STATES       | Issued                    | ORIGINAL                | LIMITED PLAY DATA STORAGE MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON | 09/681288          | 2001/03/14                         | 0002431            | 2003/01/02                    | 6733950       |
| UNITED STATES       | Issued                    | CONTINUATION            | LIMITED PLAY DATA STORAGE MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON | 10/762742          | 2004/01/21                         |                    |                               | 6991889       |
| UNITED STATES       | Filed                     | CONTINUATION            | MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON                           | 10/986611          | 2004/11/12                         |                    |                               |               |
| UNITED STATES       | Filed                     | DIVISIONAL              | COATING FORMULATIONS FOR LIMITED PLAY DATA STORAGE MEDIA                       | 11/211400          | 2005/08/25                         |                    |                               |               |
| UNITED STATES       | Filed                     | ORIGINAL                | MULTILAYER COATING PACKAGE ON FLEXIBLE SUBSTRATES FOR ELECTRO-OPTICAL DEVICES  | 10/439506          | 2003/05/15                         |                    |                               |               |
| UNITED STATES       | Issued                    | ORIGINAL                | LIMITED PLAY DATA STORAGE MEDIA AND COATING FORMULATIONS THEREON               | 10/657632          | 2003/09/08                         |                    |                               | 7226719       |

|               |        |              |                                                                                           |           |            |         |            |         |
|---------------|--------|--------------|-------------------------------------------------------------------------------------------|-----------|------------|---------|------------|---------|
| UNITED STATES | Filed  | ORIGINAL     | METHOD OF AUTHENTICATING ARTICLES, AUTHENTICATABLE POLYMERS, AND AUTHENTICATABLE ARTICLES | 10/957518 | 2004/10/01 | 0110978 | 2008/05/26 |         |
| UNITED STATES | Issued | ORIGINAL     | LIMITED PLAY OPTICAL MEDIA DEVICE WITH BARRIER COATINGS                                   | 10/657631 | 2003/09/08 | 0152013 | 2004/08/05 | 7223520 |
| UNITED STATES | Issued | ORIGINAL     | DIFFUSION BARRIER COATINGS HAVING GRADED COMPOSITIONS AND DEVICES INCORPORATING THE SAME  | 10/065018 | 2002/09/11 | 0046497 | 2004/03/11 | 7015640 |
| UNITED STATES | Filed  | CONTINUATION | DIFFUSION BARRIER COATINGS HAVING GRADED COMPOSITIONS AND DEVICES INCORPORATING THE SAME  | 11/292281 | 2005/12/02 |         |            |         |
| UNITED STATES | Filed  | CONTINUATION | DIFFUSION BARRIER COATINGS HAVING GRADED COMPOSITIONS AND DEVICES INCORPORATING THE SAME  | 11/376325 | 2006/03/16 |         |            |         |

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|---------------|--------|----------------------|------------------------------------------------------------------------------------------|-----------|------------|---------|------------|---------|
| UNITED STATES | Filed  | CONTINUATION IN PART | DIFFUSION BARRIER COATINGS HAVING GRADED COMPOSITIONS AND DEVICES INCORPORATING THE SAME | 11/378480 | 2006/03/20 |         |            |         |
| UNITED STATES | Filed  | DIVISIONAL           | GRADED-COMPOSITION DIFFUSION BARRIER COATINGS                                            | 11/188984 | 2005/07/26 |         |            |         |
| UNITED STATES | Issued | DIVISIONAL           | DIFFUSION BARRIER COATINGS HAVING GRADED COMPOSITIONS AND DEVICES INCORPORATING THE SAME | 11/188983 | 2005/07/26 |         |            | 7154220 |
| UNITED STATES | Filed  | DIVISIONAL           | GRADED-COMPOSITION DIFFUSION BARRIER COATINGS                                            | 11/398724 | 2008/04/06 |         |            |         |
| UNITED STATES | Filed  | CONTINUATION         | METHODS FOR APPLICATION OF A TAG ONTO A MEDIA ARTICLE                                    | 11/070772 | 2005/03/02 | 0167510 | 2005/08/04 |         |
| UNITED STATES | Filed  | ORIGINAL             | SYSTEMS AND METHODS TO CONTROL HUMIDITY EFFECTS ON SENSOR PERFORMANCE                    | 10/315397 | 2002/12/10 |         |            |         |
| UNITED STATES | Filed  | ORIGINAL             | METHODS OF PHOTOADDRESSING A POLYMER COMPOSITION AND THE ARTICLES DERIVED THEREFROM      | 10/652016 | 2003/09/29 | 0048401 | 2005/03/03 |         |

|               |        |          |                                                                                              |           |            |         |            |         |
|---------------|--------|----------|----------------------------------------------------------------------------------------------|-----------|------------|---------|------------|---------|
| UNITED STATES | Issued | ORIGINAL | LIMITED-PLAY OPTICAL MEDIA WITH IMPROVED SHELF-LIFE AND PLAYABILITY                          | 10/064520 | 2002/07/23 | 0022986 | 2004/02/05 | 6790501 |
| UNITED STATES | Issued | ORIGINAL | LIMITED PLAY OPTICAL STORAGE MEDIUM, METHOD FOR MAKING THE SAME                              | 10/619642 | 2003/07/15 |         |            | 7087282 |
| UNITED STATES | Filed  | ORIGINAL | CATALYST SYSTEM AND METHOD FOR THE REDUCTION OF NOX                                          | 10/743846 | 2003/12/23 |         |            |         |
| UNITED STATES | Issued | ORIGINAL | LIMITED-PLAY DATA STORAGE MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON               | 10/657667 | 2003/09/08 | 0053865 | 2005/03/10 | 7226720 |
| UNITED STATES | Filed  | ORIGINAL | METHOD FOR FACILITATING COPYRIGHT PROTECTION IN DIGITAL MEDIA AND DIGITAL MEDIA MADE THEREBY | 10/925090 | 2004/08/24 |         |            |         |
| UNITED STATES | Filed  | ORIGINAL | INSULATION SYSTEM FOR OIL FILLED ENVIRONMENTS                                                | 10/686290 | 2003/10/15 | 0083160 | 2005/04/21 |         |
| UNITED STATES | Issued | ORIGINAL | LIMITED PLAY DATA STORAGE MEDIA AND ASSOCIATED METHODS OF MANUFACTURE                        | 10/633473 | 2003/08/01 | 0025988 | 2005/02/03 | 6925051 |

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|---------------|--------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|---------|------------|---------|
| UNITED STATES | Issued | ORIGINAL             | SENSOR SYSTEMS AND METHODS FOR QUANTIFICATION OF PHYSICAL PARAMETERS, CHEMICAL AND BIOCHEMICAL VOLATILE AND NONVOLATILE COMPOUNDS IN FLUIDS | 10/723534 | 2003/11/24 | 0111000 | 2005/05/26 | 7170609 |
| UNITED STATES | Issued | CONTINUATION IN PART | SENSOR SYSTEMS AND METHODS FOR REMOTE QUANTIFICATION OF COMPOUNDS                                                                           | 10/915890 | 2004/08/12 | 0111001 | 2005/05/26 | 7271913 |
| UNITED STATES | Filed  | CONTINUATION IN PART | SENSOR SYSTEM AND METHODS FOR IMPROVED QUANTIFICATION OF ENVIRONMENTAL PARAMETERS                                                           | 10/952635 | 2004/09/29 | 0111328 | 2005/05/26 |         |
| UNITED STATES | Filed  | CONTINUATION IN PART | SENSOR SYSTEMS AND METHODS FOR QUANTIFICATION OF PHYSICAL PARAMETERS, CHEMICAL AND BIOCHEMICAL VOLATILE AND NONVOLATILE COMPOUNDS IN FLUIDS | 11/668061 | 2007/01/29 | 0146715 | 2007/06/28 |         |

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|---------------|-------|------------|---------------------------------------------------------------------------------|-----------|------------|---------|------------|--|
| UNITED STATES | Filed | ORIGINAL   | COMPOSITE ARTICLES HAVING DIFFUSION BARRIERS AND DEVICES INCORPORATING THE SAME | 10/779373 | 2004/02/17 | 0181212 | 2005/08/18 |  |
| UNITED STATES | Filed | DIVISIONAL | COMPOSITE ARTICLE HAVING DIFFUSION BARRIERS AND DEVICES INCORPORATING THE SAME  | 11/300201 | 2005/12/14 |         |            |  |
| UNITED STATES | Filed | ORIGINAL   | INDEX CONTRAST ENHANCED OPTICAL WAVEGUIDES AND FABRICATION METHODS              | 10/628181 | 2003/07/25 | 0018988 | 2005/01/27 |  |
| UNITED STATES | Filed | ORIGINAL   | METHOD AND ARTICLE FOR PRODUCING HYDROGEN GAS                                   | 10/823954 | 2004/04/13 | 0226809 | 2005/10/13 |  |
| UNITED STATES | Filed | ORIGINAL   | VALVE AND PUMP FOR MICROFLUIDIC SYSTEMS AND METHODS FOR FABRICATION             | 11/119480 | 2005/05/02 | 0245933 | 2006/11/02 |  |
| UNITED STATES | Filed | ORIGINAL   | NEAR FIELD OPTICAL STORAGE MASK LAYER, DISK, AND FABRICATION METHOD             | 10/814897 | 2004/03/30 | 0221228 | 2005/10/06 |  |
| UNITED STATES | Filed | ORIGINAL   | LITHOGRAPHY TRANSFER FOR HIGH DENSITY INTERCONNECT CIRCUITS                     | 10/855408 | 2004/09/30 | 0068576 | 2006/03/30 |  |



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| UNITED STATES | Filed  | DIVISIONAL           | LITHOGRAPHY<br>TRANSFER FOR HIGH<br>DENSITY<br>INTERCONNECT<br>CIRCUITS                      | 11/824206 | 2007/06/29 | 0254468 | 2007/11/01 |         |
| UNITED STATES | Filed  | ORIGINAL             | CROSSLINKABLE AND<br>CROSSLINKED<br>POLYMERS                                                 | 10/928939 | 2004/08/27 | 0047031 | 2006/05/02 |         |
| UNITED STATES | Filed  | ORIGINAL             | BARRIER COATINGS                                                                             | 10/879468 | 2004/06/30 | 0003189 | 2006/01/05 |         |
| UNITED STATES | Filed  | CONTINUATION IN PART | HIGH INTEGRITY<br>PROTECTIVE COATINGS                                                        | 10/988481 | 2004/11/15 | 0001040 | 2006/01/05 |         |
| UNITED STATES | Filed  | CONTINUATION IN PART | BARRIER COATING AND<br>METHOD                                                                | 11/828543 | 2007/07/26 |         |            |         |
| UNITED STATES | Filed  | ORIGINAL             | MOLECULAR<br>PHOTOVOLTAICS,<br>METHOD OF<br>MANUFACTURE AND<br>ARTICLES DERIVED<br>THEREFROM | 10/900624 | 2004/07/28 | 0021647 | 2006/02/02 |         |
| UNITED STATES | Issued | ORIGINAL             | RAMAN-ACTIVE<br>PARTICLES AND<br>METHODS OF MAKING<br>AND USING THEM                         | 10/960173 | 2004/10/06 | 0073612 | 2006/04/06 | 7285427 |
| UNITED STATES | Filed  | ORIGINAL             | PHOTOVOLTIC ROOF<br>RIDGE CAP AND<br>INSTALLATION METHOD                                     | 11/241050 | 2005/09/30 | 0074754 | 2007/04/05 |         |
| UNITED STATES | Filed  | ORIGINAL             | CROSS-LINKED<br>POLYIMIDE AND<br>METHOD OF MAKING<br>THEM                                    | 11/014138 | 2004/12/16 | 0135732 | 2006/06/22 |         |

|               |        |            |                                                                                                                  |           |            |         |            |         |
|---------------|--------|------------|------------------------------------------------------------------------------------------------------------------|-----------|------------|---------|------------|---------|
| UNITED STATES | Filed  | ORIGINAL   | OPTICAL WAVEGUIDE DEVICES AND METHOD OF MAKING THE SAME                                                          | 11/009143 | 2004/12/10 | 0127021 | 2006/06/15 |         |
| UNITED STATES | Filed  | ORIGINAL   | SYSTEMS AND METHODS FOR DEPOSITION OF GRADED MATERIALS ON CONTINUOUSLY FED OBJECTS                               | 11/315248 | 2005/12/23 | 0148346 | 2007/06/28 |         |
| UNITED STATES | Issued | ORIGINAL   | HIGH PERFORMANCE FIELD EFFECT TRANSISTORS COMPRISING CARBON NANOTUBES FABRICATED USING SOLUTION BASED PROCESSING | 10/966793 | 2004/10/15 | 0081882 | 2006/04/20 | 7228818 |
| UNITED STATES | Filed  | DIVISIONAL | HIGH PERFORMANCE FIELD EFFECT TRANSISTORS COMPRISING CARBON NANOTUBES FABRICATED USING SOLUTION BASED PROCESSING | 11/740054 | 2007/04/25 |         |            |         |
| UNITED STATES | Filed  | ORIGINAL   | BUILDING ELEMENT INCLUDING SOLAR ENERGY CONVERTER                                                                | 10/994979 | 2004/11/19 | 0107993 | 2006/05/25 |         |
| UNITED STATES | Filed  | ORIGINAL   | ARTICLES HAVING A SURFACE WITH LOW WETTABILITY AND METHOD OF MAKING                                              | 11/091800 | 2005/03/28 | 0216476 | 2006/09/28 |         |
| UNITED STATES | Filed  | ORIGINAL   | SELF-FORMING POLYMER WAVEGUIDE AND WAVEGUIDE MATERIAL WITH REDUCED SHRINKAGE                                     | 11/218847 | 2005/09/02 | 0054222 | 2007/03/08 |         |

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|---------------|-------|----------|----------------------------------------------------------------------------|-----------|------------|---------|------------|--|
| UNITED STATES | Filed | ORIGINAL | SYSTEM AND METHOD FOR REMOVAL OF CONTAMINANTS FROM FEED SOLUTION           | 11/263167 | 2005/10/31 | 0095756 | 2007/05/03 |  |
| UNITED STATES | Filed | ORIGINAL | BENZIMIDAZOLE-CONTAINING SULFONATED POLYIMIDES                             | 11/273832 | 2005/11/16 | 0112170 | 2007/05/17 |  |
| UNITED STATES | Filed | ORIGINAL | HOLOGRAPHIC STORAGE COMPOSITION                                            | 10/964092 | 2004/10/13 | 0078802 | 2006/04/13 |  |
| UNITED STATES | Filed | ORIGINAL | HOLOGRAPHIC STORAGE MEDIUM                                                 | 10/954779 | 2004/09/30 | 0073392 | 2006/04/06 |  |
| UNITED STATES | Filed | ORIGINAL | SOLVENT-RESISTANT MEMBRANES FROM SOLVENT-INERT POLYIMIDES AND POLYKETONES  | 11/228642 | 2005/09/14 | 0060688 | 2007/03/15 |  |
| UNITED STATES | Filed | ORIGINAL | SOLVENT-RESISTANT MEMBRANES FROM SOLVENT-INERT POLYIMIDES AND POLYKETONES  | 11/228873 | 2005/09/14 | 0056901 | 2007/03/15 |  |
| UNITED STATES | Filed | ORIGINAL | METHODS AND DEVICES FOR COATING AN INTERIOR SURFACE OF A PLASTIC CONTAINER | 11/678215 | 2007/02/23 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | ELECTRONIC INTERCONNECTS AND METHODS OF MAKING SAME                        | 11/255489 | 2005/10/21 | 0093049 | 2007/04/26 |  |
| UNITED STATES | Filed | ORIGINAL | BENZIMIDAZOLE-CONTAINING SULFONATED POLYETHERSULFONES                      | 11/263166 | 2005/10/31 | 0100131 | 2007/05/03 |  |

|               |       |                      |                                                                       |           |            |         |            |  |
|---------------|-------|----------------------|-----------------------------------------------------------------------|-----------|------------|---------|------------|--|
| UNITED STATES | Filed | ORIGINAL             | POLYETHERSULFONE COMPOSITIONS                                         | 11/193552 | 2005/07/29 | 0030683 | 2006/02/09 |  |
| UNITED STATES | Filed | ORIGINAL             | DUAL CURE RESIN COMPOSITE SYSTEM AND METHOD OF MANUFACTURING THE SAME | 11/403674 | 2006/04/13 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | ELECTROCHEMICAL CELL STRUCTURE                                        | 11/103971 | 2005/04/12 | 0228619 | 2006/10/12 |  |
| UNITED STATES | Filed | CONTINUATION IN PART | ELECTROCHEMICAL CELL STRUCTURE AND METHOD OF MAKING THE SAME          | 11/739264 | 2007/04/24 | 0193880 | 2007/08/23 |  |
| UNITED STATES | Filed | ORIGINAL             | PHASE SHIFTING IMAGING MODULE AND METHOD OF IMAGING                   | 11/300553 | 2005/12/14 | 0133009 | 2007/06/14 |  |
| UNITED STATES | Filed | ORIGINAL             | SULFONATED POLYARYLETHETHERKETONES                                    | 11/272312 | 2005/11/14 | 0112169 | 2007/05/03 |  |
| UNITED STATES | Filed | ORIGINAL             | COMPOSITIONS AND USE THEREOF IN DYE SENSITIZED SOLAR CELLS            | 11/171713 | 2005/06/30 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | HOLOGRAPHIC DATA RECORDING METHOD AND SYSTEM                          | 11/515605 | 2006/09/05 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | SULFONATED POLYARYLETHETHERKETONE-POLYETHERSULFONE BLOCK COPOLYMERS   | 11/314877 | 2005/12/20 | 0142614 | 2007/06/21 |  |
| UNITED STATES | Filed | ORIGINAL             | SULFONATED POLYARYLETHETHERKETONE-BLOCK POLYETHERSULFONE COPOLYMERS   | 11/479202 | 2006/07/03 | 0004443 | 2008/01/03 |  |

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| UNITED STATES | Filed | ORIGINAL             | TRIFLUOROVINYLOXY MONOMERS AND POLYMERS                                                         | 11/387109 | 2008/04/05 | 0238856 | 2007/10/11 |  |
| UNITED STATES | Filed | ORIGINAL             | SOLAR PANELS, METHODS OF MANUFACTURE THEREOF AND ARTICLES COMPRISING THE SAME                   | 11/314539 | 2005/12/21 | 0137696 | 2007/06/21 |  |
| UNITED STATES | Filed | ORIGINAL             | TAMPER DETECTION SYSTEM, METHOD AND APPARATUS                                                   | 11/315455 | 2005/12/22 | 0146132 | 2007/06/28 |  |
| UNITED STATES | Filed | ORIGINAL             | MIXED-SULFONATION BLOCK COPOLYMERS                                                              | 11/314337 | 2005/12/20 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | METHOD AND APPARATUS FOR REDUCING WATER LOSS                                                    | 11/314268 | 2005/12/21 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | OPTOELECTRONIC DEVICES HAVING ELECTRODE FILMS AND METHODS AND SYSTEM FOR MANUFACTURING THE SAME | 11/316267 | 2005/12/22 | 0159065 | 2007/07/12 |  |
| UNITED STATES | Filed | ORIGINAL             | ULTRASONIC INSPECTION SYSTEM AND METHOD                                                         | 11/291662 | 2005/12/01 | 0125174 | 2007/06/07 |  |
| UNITED STATES | Filed | ORIGINAL             | METHODS FOR MAKING HOLOGRAPHIC DATA STORAGE ARTICLES                                            | 11/260806 | 2005/10/27 | 0146835 | 2007/06/28 |  |
| UNITED STATES | Filed | CONTINUATION IN PART | METHODS FOR MAKING HOLOGRAPHIC DATA STORAGE ARTICLES                                            | 11/636856 | 2006/12/11 | 0097469 | 2007/05/03 |  |

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| UNITED STATES | Filed  | ORIGINAL | METHODS FOR STORING HOLOGRAPHIC DATA AND ARTICLES HAVING ENHANCED DATA STORAGE LIFETIME DERIVED THEREFROM | 11/296246 | 2005/12/07 | 0127329 | 2007/06/07 |         |
| UNITED STATES | Filed  | ORIGINAL | MONOMERS COMPRISING SUPERACIDIC GROUPS, AND POLYMERS THEREFROM                                            | 11/598947 | 2006/11/14 |         |            |         |
| UNITED STATES | Issued | ORIGINAL | METHODS FOR STORING HOLOGRAPHIC DATA AND ARTICLES HAVING ENHANCED DATA STORAGE LIFETIME DERIVED THEREFROM | 11/359958 | 2006/02/22 |         |            | 7102802 |
| UNITED STATES | Filed  | ORIGINAL | METHODS FOR STORING HOLOGRAPHIC DATA AND ARTICLES HAVING ENHANCED DATA STORAGE LIFETIME DERIVED THEREFROM | 11/317918 | 2005/12/22 | 0147214 | 2007/06/28 |         |
| UNITED STATES | Filed  | ORIGINAL | SYSTEM AND METHOD FOR EXTRACTING PARAMETERS OF A CUTTING TOOL                                             | 11/289912 | 2005/11/30 | 0124015 | 2007/05/31 |         |

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| UNITED STATES | Filed | ORIGINAL             | COMPOSITES HAVING TUNABLE DIELECTRIC CONSTANTS, METHODS OF MANUFACTURE THEREOF, AND ARTICLES COMPRISING THE SAME  | 11/285901 | 2005/11/23 | 0117898 | 2007/05/24 |  |
| UNITED STATES | Filed | ORIGINAL             | ANTIFERROELECTRIC POLYMER COMPOSITES, METHODS OF MANUFACTURE THEREOF, AND ARTICLES COMPRISING THE SAME            | 11/286062 | 2005/11/23 | 0117913 | 2007/05/24 |  |
| UNITED STATES | Filed | ORIGINAL             | HIGH DIELECTRIC CONSTANT NANOCOMPOSITES, METHODS OF MANUFACTURE THEREOF, AND ARTICLES COMPRISING THE SAME         | 11/286096 | 2005/11/23 | 0117886 | 2007/05/24 |  |
| UNITED STATES | Filed | ORIGINAL             | NANOPARTICLE ENHANCED THERMOPLASTIC DIELECTRICS, METHODS OF MANUFACTURE THEREOF, AND ARTICLES COMPRISING THE SAME | 11/286097 | 2005/11/23 | 0116976 | 2007/05/24 |  |
| UNITED STATES | Filed | CONTINUATION IN PART | OPTICAL SYSTEM AND METHOD FOR TAMPER DETECTION                                                                    | 11/478101 | 2006/06/30 | 0152816 | 2007/07/05 |  |

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| UNITED STATES | Filed | ORIGINAL | POLYETHER-NITRILE HOLLOW FIBER MEMBRANES                                                 | 11/567487 | 2006/12/06 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | POLYARYLETHYR MEMBRANES                                                                  | 11/611691 | 2006/12/15 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | POLYARYLETHYR MEMBRANES                                                                  | 11/611697 | 2006/12/15 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | SYSTEMS AND METHODS FOR ROLL-TO-ROLL ATOMIC LAYER DEPOSITION ON CONTINUOUSLY FED OBJECTS | 11/446077 | 2006/06/05 | 0281089 | 2007/12/06 |  |
| UNITED STATES | Filed | ORIGINAL | SUPERHYDROPHOBIC COATING COMPOSITION AND COATED ARTICLES OBTAINED THEREFROM              | 11/487004 | 2006/07/17 | 0015298 | 2008/01/17 |  |
| UNITED STATES | Filed | ORIGINAL | ARTICLES HAVING LOW WETTABILITY AND HIGH LIGHT TRANSMISSION                              | 11/395861 | 2006/04/03 | 0231542 | 2007/10/04 |  |
| UNITED STATES | Filed | ORIGINAL | PHOTOVOLTAIC ROOF TILE SYSTEM                                                            | 11/605021 | 2006/11/28 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | FUNCTIONAL POLYARYLETHYRS                                                                | 11/611642 | 2006/12/15 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | FUNCTIONAL POLYARYLETHYRS                                                                | 11/611644 | 2006/12/15 |         |            |  |
| UNITED STATES | Filed | ORIGINAL | OPTIMAL IMAGING SYSTEM AND METHOD FOR HIGH SPEED AND HIGH RESOLUTION                     | 11/609912 | 2006/12/13 |         |            |  |



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| UNITED STATES | Filed | ORIGINAL | BARRIER LAYER, COMPOSITE ARTICLE COMPRISING THE SAME, ELECTROACTIVE DEVICE, AND METHOD | 11/567307 | 2006/12/06 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | BARRIER LAYER, COMPOSITE ARTICLE COMPRISING THE SAME ELECTROACTIVE DEVICE, AND METHOD  | 11/567313 | 2006/12/06 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | THERMAL INSULATION MATERIALS AND APPLICATIONS OF THE SAME                              | 11/608291 | 2006/12/08 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | BARRIER LAYER, COMPOSITE ARTICLE COMPRISING THE SAME, ELECTROACTIVE DEVICE, AND METHOD | 11/567308 | 2006/12/06 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | POLYMERS COMPRISING SUPERACIDIC GROUPS, AND USES THEREOF                               | 11/598948 | 2006/11/14 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | NON-LINEAR DIELECTRICS USED AS ELECTRICAL INSULATION                                   | 11/639726 | 2006/12/15 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | INSULATION SYSTEM AND METHOD FOR A TRANSFORMER                                         | 11/639725 | 2006/12/15 |  |  |  |

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| UNITED STATES | Filed | ORIGINAL             | SYSTEMS AND METHODS FOR MONITORING A COMPOSITE CURE CYCLE                  | 11/767567 | 2007/06/25 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | PROCESS FOR REDUCING NON-UNIFORMITIES IN THE DENSITY OF SINTERED MATERIALS | 11/480883 | 2008/07/28 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | OPTICAL LENS AND METHOD OF MANUFACTURING                                   | 11/634713 | 2006/12/06 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | METHOD AND APPARATUS FOR ELECTROCHEMICAL ENERGY CONVERSION                 | 11/766970 | 2007/06/22 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | METHOD AND APPARATUS FOR ELECTROCHEMICAL ENERGY CONVERSION                 | 11/962933 | 2007/12/21 |         |            |  |
| UNITED STATES | Filed | ORIGINAL             | METHODS FOR STORING HOLOGRAPHIC DATA AND STORAGE MEDIA DERIVED THEREFROM   | 11/545162 | 2006/10/10 |         |            |  |
| UNITED STATES | Filed | PROVISIONAL          | METHOD AND SYSTEM FOR CHEMICAL SENSING BASED ON STRUCTURAL COLOR ELEMENTS  | 60/784788 | 2006/03/22 |         |            |  |
| UNITED STATES | Filed | CONTINUATION IN PART | CARBON DIOXIDE CAPTURE SYSTEMS AND METHODS                                 | 11/564912 | 2006/11/30 | 0011161 | 2008/01/17 |  |

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| UNITED STATES | Filed | ORIGINAL | MOLDED ARTICLE INCORPORATING VOLUME HOLOGRAM A METHOD OF PRODUCING A PALETTE OF COLORS FOR PERSISTENT PHOSPHORS AND PHOSPHORS MADE BY SAME | 11/539874 | 2006/10/09 |  |  |  |
| UNITED STATES | Filed | ORIGINAL |                                                                                                                                            | 11/654191 | 2007/01/17 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | SYSTEMS AND METHOD FOR LOCATING FAILURE EVENTS IN SAMPLES UNDER LOAD                                                                       | 11/592549 | 2006/11/03 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | SYSTEM AND METHOD FOR POWER GENERATION IN RANKINE CYCLE                                                                                    | 11/609919 | 2006/12/13 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | NANO-COMPOSITE IR WINDOW AND METHOD FOR MAKING SAME                                                                                        | 11/634592 | 2006/12/06 |  |  |  |
|               |       |          |                                                                                                                                            |           |            |  |  |  |
| UNITED STATES | Filed | ORIGINAL | ELECTROMAGNETIC INTERFERENCE SHIELDING POLYMER COMPOSITES AND METHODS OF MANUFACTURE                                                       | 11/863831 | 2007/09/28 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | HALOSULFONE SULFONATES                                                                                                                     | 11/962632 | 2007/12/21 |  |  |  |
| UNITED STATES | Filed | ORIGINAL | AROMATIC POLYETHERS                                                                                                                        | 11/962627 | 2007/12/21 |  |  |  |

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| UNITED STATES | Filed  | ORIGINAL | SYSTEMS AND METHODS FOR SELECTIVE DEPOSITION OF GRADED MATERIALS ON CONTINUOUSLY FED OBJECTS | 11/585295 | 2006/10/23 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | METHOD OF PREPARING WETTING-RESISTANT SURFACES AND ARTICLES INCORPORATING THE SAME           | 11/771408 | 2007/06/29 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | COMPOSITION, ARTICLE, AND ASSOCIATED METHOD                                                  | 11/958604 | 2007/12/18 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | METHOD FOR MANUFACTURING ULTRA-THIN POLYMERIC FILMS                                          | 11/838557 | 2007/08/14 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | COMPOSITIONS AND METHODS FOR STORING HOLOGRAPHIC DATA                                        | 11/863396 | 2007/09/28 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | COMPOSITIONS AND METHODS FOR STORING HOLOGRAPHIC DATA                                        | 11/863385 | 2007/09/28 |  |  |         |
| UNITED STATES | Filed  | ORIGINAL | COMPOSITION, ARTICLE, AND ASSOCIATED METHOD                                                  | 11/956913 | 2007/12/14 |  |  |         |
| UNITED STATES | Issued | ORIGINAL | ANNEALING SYNTHETIC DIAMOND TYPE IB                                                          | 860283    | 1977/12/14 |  |  | 4174380 |

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| UNITED STATES | Issued | NULL IN TYPE COLUMN OF PATENTD DB - - 9 | POLYCRYSTALLINE DIAMOND BODY AND PROCESS                                                                               | 042237    | 1979/05/24 |  |  | 4231195 |
| UNITED STATES | Filed  | ORIGINAL                                | METHOD FOR IMPROVING GROWTH OF CVD DIAMONDS AND SUBSTRATES USED THEREIN                                                | 07/806388 | 1991/12/13 |  |  |         |
| UNITED STATES | Issued | ORIGINAL                                | EXTRUDING THERMOPLASTIC INSULATION ON STATOR BARS                                                                      | 08/533592 | 1995/09/25 |  |  | 5650031 |
| UNITED STATES | Issued | CONTINUATION IN PART                    | METHOD FOR VALIDATING SPECIFIED PRICES ON REAL PROPERTY                                                                | 09/118103 | 1998/07/17 |  |  | 6115694 |
| UNITED STATES | Issued | ORIGINAL                                | METHOD FOR INCREASING TOTAL PRODUCTION OF 4-HYDROXYBENZOIC ACID BY BIOFERMENTATION                                     | 09/161129 | 1998/09/25 |  |  | 6114157 |
| UNITED STATES |        | NULL IN TYPE COLUMN OF PATENTD DB - - 9 | METHOD FOR INCREASING TOTAL PRODUCTION OF 4-HYDROXYBENZOIC ACID BY BIOFERMENTATION<br>**DO NOT FF W SEDEREL 03/08/01** |           | 1998/09/22 |  |  |         |

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| UNITED STATES | Issued | ORIGINAL   | PLASTIC SUBSTRATES WITH IMPROVED BARRIER PROPERTIES FOR DEVICES SENSITIVE TO WATER AND/OR OXYGEN, SUCH AS ORGANIC ELECTROLUMINESCENT DEVICES | 09/592076 | 2000/06/12 |         |            | 6465953 |
| UNITED STATES | Issued | ORIGINAL   | FUNCTIONALIZED DIAMOND, METHODS FOR PRODUCING SAME, ABRASIVE COMPOSITES AND ABRASIVE TOOLS COMPRISING FUNCTIONALIZED DIAMONDS                | 09/576794 | 2000/05/23 |         |            | 6372002 |
| UNITED STATES | Issued | ORIGINAL   | TRANSPARENT FLEXIBLE BARRIER FOR LIQUID CRYSTAL DISPLAY DEVICES AND METHOD OF MAKING THE SAME                                                | 09/836657 | 2001/04/17 | 0180924 | 2002/12/05 | 6630980 |
| UNITED STATES | Issued | DIVISIONAL | TRANSPARENT FLEXIBLE BARRIER FOR LIQUID CRYSTAL DISPLAY DEVICES AND METHOD OF MAKING THE SAME                                                | 10/632455 | 2003/07/31 | 0021820 | 2004/02/05 | 6788379 |
| UNITED STATES | Issued | ORIGINAL   | OXIDATION RESISTANT COATINGS FOR MOLYBDENUM SILICIDE-BASED COMPOSITE ARTICLES                                                                | 09/793311 | 2001/02/26 | 0119340 | 2002/08/29 | 6497968 |

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| UNITED STATES | Filed  | DIVISIONAL   | OXIDATION RESISTANT COATINGS FOR MOLYBDENUM SILICIDE-BASED COMPOSITE ARTICLES                    | 10/253750 | 2002/09/24 | 0054194 | 2003/03/20 |         |
| UNITED STATES | Filed  | ORIGINAL     | METHOD OF MANUFACTURING AND EVALUATING SENSOR COATINGS AND THE SENSORS DERIVED THEREFROM         | 10/656594 | 2003/09/05 | 0054116 | 2005/03/10 |         |
| UNITED STATES | Issued | ORIGINAL     | BARRIER LAYER FOR AN ARTICLE AND METHOD OF MAKING SAID BARRIER LAYER BY EXPANDING THERMAL PLASMA | 10/063917 | 2002/05/23 | 0219632 | 2003/11/27 | 6743524 |
| UNITED STATES | Filed  | DIVISIONAL   | BARRIER LAYER FOR AN ARTICLE AND METHOD OF MAKING SAID BARRIER LAYER BY EXPANDING THERMAL PLASMA | 10/802102 | 2004/03/16 |         |            |         |
| UNITED STATES | Filed  | CONTINUATION | LIMITED PLAY DATA STORAGE MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON                   | 11/213356 | 2005/08/26 | 0002285 | 2006/01/05 |         |
| UNITED STATES | Issued | ORIGINAL     | LIMITED PLAY DATA STORAGE MEDIA AND METHOD FOR LIMITING ACCESS TO DATA THEREON                   | 10/233854 | 2002/09/04 | 0043254 | 2004/03/04 | 6866909 |
| UNITED STATES | Filed  | ORIGINAL     | METHOD FOR MAKING LIMITED PLAY DATA STORAGE MEDIA                                                | 10/384986 | 2003/03/10 | 0205323 | 2003/11/06 |         |

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| UNITED STATES | Filed | DIVISIONAL | APPARATUS FOR COUPLING ELECTROMAGNETIC ENERGY AND METHOD OF MAKING | 11/131450 | 2005/05/16 | 0249453 | 2005/11/10 |  |
|---------------|-------|------------|--------------------------------------------------------------------|-----------|------------|---------|------------|--|