

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
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<b>NATURE OF CONVEYANCE:</b>	ASSIGNS THE ENTIRE INTEREST AND THE GOODWILL
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<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Alcoa World Alumina LLC		02/27/2004	Limited Liability Company: DELAWARE

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Almatis, Inc.
<b>Street Address:</b>	501 West Park Road
<b>City:</b>	Leetsdale
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15056
<b>Entity Type:</b>	CORPORATION: DELAWARE

<b>PROPERTY NUMBERS Total: 12</b>		
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>
Registration Number:	2021174	ALPHABOND
Registration Number:	1511389	ALUMALUX
Registration Number:	1756293	BAYGRANITE
Registration Number:	1452719	FLAME GARD
Registration Number:	0727621	FLUO-FLUX
Registration Number:	2726370	HY BRITE
Registration Number:	0759868	HYDRAL
Registration Number:	1701266	HYGRANITE
Registration Number:	1247469	MONAL
Registration Number:	1394528	ONYX CLASSICA
Registration Number:	1445799	REALOX
Registration Number:	1805681	SPACERITE

<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)288-3063

**OP \$315.00 2021174**

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Address Line 4: Pittsburgh, PENNSYLVANIA 15230-0488

ATTORNEY DOCKET NUMBER:	501824.20001.13542021174
NAME OF SUBMITTER:	Jody L. Burtner, Senior Paralegal

**Total Attachments: 21**

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**EXHIBIT A – ALCOA WORLD ALUMINA LLC PATENTS**

Exhibit A - Patents

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1983000065	Granted	09/30/1985	06/781,208	03/16/1993	5,194,243	03/16/2010
Country: United States						
Assignee: Alcoa Inc.						
Inventors:						
Pearson, Alan						
Wall, J.R.						
Title: Production of Aluminum Compound						
IP1983000121	Granted	10/03/1985	06/783,863	12/08/1987	4,711,673	10/03/2005
Country: United States						
Assignee: Alcoa Inc.						
Inventors:						
Muselman, L.L.						
Levendusky, Thomas L.						
Title: Combination of Surface Modifiers for Powdered Inorganic Fillers						

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1984000319	Granted	04/03/1985	06/719,559	04/29/1986	4,585,645	04/03/2005

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Sucech, S.W.

Title: Alpha Alumina Production in a Steam-Fluidized Reactor

IP1984000372	Granted	07/18/1986	06/887,000	07/05/1988	4,755,374	07/18/2006
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Country: United States  
Assignee: Alcoa Inc.

Inventors:

Martin, Edward S.  
Weaver, Mark L.

Title: Aluminum Hydroxide Production

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1985000345	Granted	12/29/1986	06/946,839	05/30/1989	4,835,124	05/30/2006

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Pearson, Alan  
Title: Alumina Ceramic Product from Colloidal Alumina

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1986000286	Granted	11/27/1987	07/126,244	11/01/1988	4,781,982	11/27/2007

Country: United States  
Assignee: Alcoa Inc.

Inventors:

Musselman, L.L.  
Wieserman, Larry F.

Title: Surface Treating Mineral Particles to Reduce Halide Adsorption

IP1987000013	Granted	12/23/1987	07/137,159	07/11/1989	4,847,064	12/23/2007
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Country: United States  
Assignee: Alcoa Inc.

Inventors:

Pearson, Alan

Title: Economical Process for Alpha Alumina Production



Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1987000132	Granted	12/21/1988	07/287,070	01/02/1996	5,480,587	01/02/2013

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Musselman, L.L.  
Greene, H.L.

Title: Materials for Use as Fire Retardant Additives

IP1988000592	Granted	09/22/1988	07/247,541	11/13/1990	4,970,181	11/13/2007
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Pearson, Alan

Title: Process for Producing Ceramic Shapes

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1988000700	Granted	11/23/1988	07/275,683	04/10/1990	4,915,930	04/10/2007

Country: United States  
Assignee: Alcoa Inc.  
Inventors:  
Goheen, R.H.  
Nigro, W.A.  
The, P.J.

Title: Process for Producing Aluminum Hydroxide of Improved Whiteness

IP1989000151	Granted	05/16/1991	07/701,046	05/04/1993	5,207,968	05/16/2011
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:  
Phelps, Frankie E.  
Valchar, C.E.  
DiMilia, Robert A.

Title: Method for Making a Dimensionally Stable Green Ceramic Sheet

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1989000201	Granted	06/19/1989	07/460,844	09/22/1992	5,149,520	12/23/2007

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Sucech, S.W.  
Marhanka, John E.  
Pearson, Alan

Title: Small Sized Alpha Alumina Particles and Platelets

IP1990000018	Granted	09/04/1990	07/576,853	04/27/1993	5,206,190	09/04/2010
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Jean, J.  
Gupta, T.K.

Title: Dielectric Composition Containing Cordierite and Glass

IP1990000060	Granted	01/09/1990	07/462,409	08/29/1995	5,445,807	08/29/2012
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Pearson, Alan

Title: Production of Aluminum Compound

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1990000372	Granted	10/15/1990	07/597,535	07/06/1993	5,225,115	07/06/2010

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Musselman, L.L.  
Misra, C.  
Grubbs, D.K.  
Smith, Donald R.

Title: Method of Making A Bromide Intercalated Hydrotalcite for Use as A Flame Retardant, Smoke Suppressant Additive

IP1990000403	Granted	07/18/1991	07/732,230	06/15/1993	5,219,800	07/18/2011
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Kelso, J.F.  
Bowersox, K.L.  
Graddy, G. Edward (Jr.)  
Weirauch, Douglas A. (Jr.)

Title: Colored Ceramics for Electronic Packages

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1991000038	Granted	07/19/1990	07/555,928	12/15/1992	5,171,631	07/19/2010

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Adkins, A.S.

Title: Spacer Extender for Titanium Dioxide in Pigment Systems for Coatings

IP1991000426	Granted	03/16/1992	07/851,610	10/12/1993	5,252,655	03/16/2012
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Parker, A.A.  
Stanzione, T.T.  
Armstrong, G.H.  
Phelps, Frankie E.  
Opalka, Susanne M.

Title: Densified Ceramic Green Sheet and Stack Having Conductors Therein

Matter ID                      Status                      Appln Dt                      Appln No                      Grant Dt                      Patent No                      Expires  
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IP1992000191                      Granted                      03/16/1992                      07/851,959                      07/13/1993                      5,226,959                      10/11/2010

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Jean, J.H.  
Gupta, T.K.

Title: Gallium-Containing Glassy Low Dielectric Ceramic Compositions

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1992000714	Granted	09/23/1992	07/949,154	12/14/1993	5,270,268	09/23/2012

Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Jean, J.H.  
Gupta, T.K.

Title: Aluminum Borate Devitrification Inhibitor in Low Dielectric Borosilicate Glass

IP1993000238	Granted	03/29/1993	08/039,542	11/09/1993	5,260,119	11/09/2010
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Jean, J.H.  
Gupta, T.K.  
Straub, William D.

Title: Low Dielectric Inorganic Composition for Multilayer Ceramic Package

IP1993000239	Granted	03/29/1993	08/039,543	10/26/1993	5,256,470	10/26/2010
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:

Jean, J.H.  
Gupta, T.K.

Title: Crystal Growth Inhibitor for Glassy Low Dielectric Inorganic Composition

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Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1994000575	Granted	09/19/1994	08/308,263	08/06/1996	5,543,173	10/12/2013

Country: United States  
Assignee: Alcoa Inc.

Inventors:  
Horn, W.E.  
Balaba, W.M.  
Parker, A.A.

Title: Surface Treating Aluminum Trihydrate Powders with Prehydrolyzed Silane

IP1994000648	Granted	05/30/1995	08/453,551	10/28/1997	5,681,658	05/30/2015
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Country: United States  
Assignee: Alcoa Inc.

Inventors:  
Anderson, E.M.  
Dando, Neal R.  
Lawhon, C.H.  
McRaven, M.D.

Title: Gelation-Resistant Alumina



Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1995000146	Granted	02/02/1995	08/382,936	04/29/1997	5,624,646	04/29/2014

Country: United States  
Assignee: Alcoa Inc.  
Inventors:  
Phillips, R.B.  
Fitzgerald, N.M.  
McCormick, B.L.  
Title: Method for Improving the Brightness of Aluminum Hydroxide

IP1995000190	Granted	04/03/1995	08/415,874	12/31/1996	5,590,017	04/03/2015
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:  
Kelso, J.F.  
Title: Alumina Multilayer Wiring Substrate Provided With High Dielectric Material Layer

IP1995000605	Granted	06/05/1995	08/465,017	11/12/1996	5,573,622	11/12/2013
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Country: United States  
Assignee: Alcoa Inc.  
Inventors:  
Hass, A.R.  
Dynys, Joseph M.  
Title: Apparatus for Fabricating Multilayer Structures

Matter ID	Status	Appln Dt	Appln No	Grant Dt	Patent No	Expires
IP1995001062	Granted	07/12/1999	09/351,968	03/20/2001	6,203,773	07/12/2019

Country: United States  
Assignee: Alcoa Inc.

Inventors:

Easley, Michael A.  
Pearson, Alan  
Moorjani, Dinesh  
Marhanka, John E.

Title: Low Temperature Mineralization of Alumina

Matter ID            Status            Appln Dt            Appln No            Grant Dt            Patent No            Expires  
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IP1996000571    Granted            07/30/1996            08/688,702            09/01/1998            5,800,922            05/30/2015

Country: United States  
Assignee: Alcoa Inc.

Inventors:

Dando, Neal R.  
Lawhon, C.H.  
McRaven, M.D.  
Anderson, E.M.

Title: Method of Making a Gelation-Resistant Alumina



**EXHIBIT B – ALCOA WORLD ALUMINA LLC MARKS**

Exhibit B - Marks

Matter ID	Status	Curr App Dt	Curr App No	Curr Reg Dt	Curr Reg No	Renewal	Expires
IP1993000370 Mark: Alphabond Country: United States Owner: Alcoa World Alumina LLC	Registered	03/31/1994	74/507,461	12/03/1996	2,021,174	12/03/2006	12/03/2006
IP1985000115 Mark: Alumalux Country: United States Owner: Alcoa World Alumina LLC	Registered	12/28/1987	73/702,889	11/08/1988	1,511,389	11/08/2008	11/08/2008
IP1991000516 Mark: Baygranite Country: United States Owner: Alcoa World Alumina LLC	Registered	07/15/1991	74/185,449	03/09/2003	1,756,293	03/09/2013	03/09/2013
IP1986000046 Mark: Flame Gard Country: United States Owner: Alcoa World Alumina LLC	Registered	12/04/1986	73/633,794	08/18/1987	1,452,719	08/18/2007	08/18/2007
IP2001003091 Mark: Fluo-Flux Country: United States Owner: Alcoa World Alumina LLC	Registered	08/19/1960	72/102,994	02/20/2002	727,621	02/20/2012	02/20/2012
IP1999001648 Mark: Hy Brite Country: United States Owner: Alcoa World Alumina LLC	Registered	11/27/2000	76/170,495	06/17/2003	2,726,370	06/17/2013	06/17/2013
IP1986000158 Mark: Hydral Country: United States Owner: Alcoa World Alumina LLC	Registered	08/02/1962	72/150,309	11/12/2003	759,868	11/12/2013	11/12/2013
IP1991000169 Mark: Hygranite Country: United States Owner: Alcoa World Alumina LLC	Registered	07/15/1991	74/185,330	07/21/2002	1,701,266	07/21/2012	07/21/2012

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Matter ID	Status	Curr App Dt	Curr App No	Curr Reg Dt	Curr Reg No	Renewal	Expires
IPI981000249	Registered	05/28/1982	73/367,051	08/09/1983	1,247,469	08/09/2003	08/09/2003
Mark: Monal Country: United States Owner: Alcoa World Alumina LLC							
IPI984000360	Registered	03/05/1985	73/525,305	05/27/1986	1,394,528	05/27/2006	05/27/2006
Mark: Onyx Classica Country: United States Owner: Alcoa World Alumina LLC							
IPI985000089	Registered	10/27/1986	73/627,204	07/07/1987	1,445,799	07/07/2007	07/07/2007
Mark: Realox Country: United States Owner: Alcoa World Alumina LLC							
IPI990000245	Registered	08/05/1991	74/191,450	11/23/2003	1,805,681	11/23/2013	11/23/2013
Mark: Spacerite Country: United States Owner: Alcoa World Alumina LLC							