

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

|                       |                                 |
|-----------------------|---------------------------------|
| SUBMISSION TYPE:      | NEW ASSIGNMENT                  |
| NATURE OF CONVEYANCE: | Release from Security Agreement |

**CONVEYING PARTY DATA**

| Name        | Execution Date |
|-------------|----------------|
| UBS Limited | 09/30/2010     |

**RECEIVING PARTY DATA**

|                 |                    |
|-----------------|--------------------|
| Name:           | Almatis, Inc,      |
| Street Address: | 501 West Park Road |
| City:           | Leetsdale          |
| State/Country:  | PENNSYLVANIA       |
| Postal Code:    | 15056              |

**PROPERTY NUMBERS Total: 30**

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | 4585645 |
| Patent Number: | 4711673 |
| Patent Number: | 4755374 |
| Patent Number: | 4781982 |
| Patent Number: | 4835124 |
| Patent Number: | 4847064 |
| Patent Number: | 4915930 |
| Patent Number: | 4970181 |
| Patent Number: | 5149520 |
| Patent Number: | 5171631 |
| Patent Number: | 5194243 |
| Patent Number: | 5206190 |
| Patent Number: | 5207968 |
| Patent Number: | 5219800 |
| Patent Number: | 5225115 |

**OP \$1200.00 4585645**

|                |         |
|----------------|---------|
| Patent Number: | 5226959 |
| Patent Number: | 5252655 |
| Patent Number: | 5256470 |
| Patent Number: | 5260119 |
| Patent Number: | 5270268 |
| Patent Number: | 5445807 |
| Patent Number: | 5480587 |
| Patent Number: | 5543173 |
| Patent Number: | 5573622 |
| Patent Number: | 5590017 |
| Patent Number: | 5624646 |
| Patent Number: | 5681658 |
| Patent Number: | 5800922 |
| Patent Number: | 6162855 |
| Patent Number: | 6203773 |

**CORRESPONDENCE DATA**

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|                         |         |
|-------------------------|---------|
| ATTORNEY DOCKET NUMBER: | N327589 |
|-------------------------|---------|

|                    |                    |
|--------------------|--------------------|
| NAME OF SUBMITTER: | Christine Steenman |
|--------------------|--------------------|

Total Attachments: 3  
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**RELEASE AND TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This Release and Termination of Intellectual Property Security Agreement (“**Release and Termination of IP Security**”) is executed as of ~~September 20~~ 2010, by UBS Limited, in its capacity as security trustee (in such capacity, the **Secured Party**), for the benefit of Almatris, Inc. (the “**Grantor**”). Capitalized terms used but not otherwise defined herein shall have the meaning assigned to such terms in the **IP Security Agreement** (as defined below).

**WHEREAS:**

- (a) pursuant to a Supplement to Security Agreement (Patents), dated as of December 20, 2007 (the “**IP Security Agreement**”), between the Grantor and the Secured Party, which IP Security Agreement was recorded in the U.S. Patent and Trademark Office on January 2, 2008, at Reel 020309, Frame 0058, the Grantor has granted a security interest in and mortgage on its right, title and interest in and to the Collateral (as such term is defined in the IP Security Agreement, the “**Collateral**”), including, but not limited to the intellectual property listed in Annex 1 hereto, to the Secured Party; and
- (b) the Secured Party wishes to release and terminate the security interest in the Collateral.

NOW, THEREFORE, in consideration of the foregoing and for other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Secured Party hereby releases and terminates the security interest in and the mortgage on the Collateral created by the IP Security Agreement as of the date first written above.


This Release and Termination of IP Security shall be governed by, and construed in accordance with the laws of the State of New York and shall be limited precisely as written and relates and applies solely to the Collateral and the associated interest specifically described above.

**UBS LIMITED,**  
as Secured Party

By: \_\_\_\_\_

Name:  
Title:

**Matthew Jolly**  
**Executive Director**

  
ALAN SREENAN  
DIRECTOR

**ANNEX I  
INTELLECTUAL PROPERTY**

Patents and Patent Applications

|     | <b>Patent Title</b>                                                                        | <b>Number</b> | <b>Issue Date</b> |
|-----|--------------------------------------------------------------------------------------------|---------------|-------------------|
| 1.  | Alpha Alumina Production in a Steam-Fluidized Reactor                                      | 4,585,645     | 04/29/1986        |
| 2.  | Combination of Surface Modifiers for Powdered Inorganic Fillers                            | 4,711,673     | 12/08/1987        |
| 3.  | Aluminum Hydroxide Production                                                              | 4,755,374     | 07/05/1988        |
| 4.  | Surface Treating Mineral Particles to Reduce Halide Adsorption                             | 4,781,982     | 11/01/1988        |
| 5.  | Alumina Ceramic Product from Colloidal Alumina                                             | 4,835,124     | 05/30/1989        |
| 6.  | Economical Process for Alpha Alumina Production                                            | 4,847,064     | 07/11/1989        |
| 7.  | Process for Producing Aluminum Hydroxide of Improved Whiteness                             | 4,915,930     | 04/10/1990        |
| 8.  | Process for Producing Ceramic Shapes                                                       | 4,970,181     | 11/13/1990        |
| 9.  | Small Sized Alpha Alumina Particles and Platelets                                          | 5,149,520     | 09/22/1992        |
| 10. | Spacer/Extender for Titanium Dioxide in Pigment Systems for Coatings                       | 5,171,631     | 12/15/1992        |
| 11. | Production of Aluminum Compound                                                            | 5,194,243     | 03/16/1993        |
| 12. | Dielectric Composition Containing Cordierite and Glass                                     | 5,206,190     | 04/27/1993        |
| 13. | Method for Making a Dimensionally Stable Green Ceramic Sheet                               | 5,207,968     | 05/04/1993        |
| 14. | Colored Ceramics for Electronic Packages                                                   | 5,219,800     | 06/15/1993        |
| 15. | Bromide Intercalated Hydrotalcite for Use as a Flame Retardant, Smoke Suppressant Additive | 5,225,115     | 07/06/1993        |
| 16. | Gallium-Containing Glassy Low Dielectric Ceramic Compositions                              | 5,226,959     | 07/13/1993        |
| 17. | Densified Ceramic Green Sheet and Stack Having Conductors Therein                          | 5,252,655     | 10/12/1993        |
| 18. | Crystal Growth Inhibitor for Glassy Low Dielectric Inorganic Composition                   | 5,256,470     | 10/26/1993        |

|     | <b>Patent Title</b>                                                              | <b>Number</b> | <b>Issue Date</b> |
|-----|----------------------------------------------------------------------------------|---------------|-------------------|
| 19. | Low Dielectric Inorganic Composition for Multilayer Ceramic Package              | 5,260,119     | 11/09/1993        |
| 20. | Aluminum Borate Devitrification Inhibitor in Low Dielectric Borosilicate Glass   | 5,270,268     | 12/14/1993        |
| 21. | Production of Aluminum Compound                                                  | 5,445,807     | 08/29/1995        |
| 22. | Materials for Use as Fire Retardant Additives                                    | 5,480,587     | 01/02/1996        |
| 23. | Surface Treating Aluminum Trihydrate Powders with Prehydrolyzed Silane           | 5,543,173     | 08/06/1996        |
| 24. | Apparatus for Fabricating Multilayer Structures                                  | 5,573,622     | 11/12/1996        |
| 25. | Alumina Multilayer Wiring Substrate Provided with High Dielectric Material Layer | 5,590,017     | 12/31/1996        |
| 26. | Method for Improving the Brightness of Aluminum Hydroxide                        | 5,624,646     | 04/29/1997        |
| 27. | Gelation-Resistant Alumina                                                       | 5,681,658     | 10/28/1997        |
| 28. | Method of Making a Gelation-Resistant Alumina                                    | 5,800,922     | 09/01/1998        |
| 29. | Bauxite Filler for Carpet Backings                                               | 6,162,855     | 12/19/2000        |
| 30. | Low Temperature Mineralization of Alumina                                        | 6,203,773     | 03/20/2001        |