504920864 05/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4967610

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|------------------------------|
| NATURE OF CONVEYANCE: | RELEASE OF SECURITY INTEREST |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| CITICORP USA, INC. | 05/15/2018 |

RECEIVING PARTY DATA

| Name: | ICL PERFORMANCE PRODUCTS LP (SUCCESSOR-IN-INTEREST TO ASTARIS LLC) |
|-------------------|--|
| Street Address: | 622 EMERSON ROAD |
| Internal Address: | SUITE 500 |
| City: | ST. LOUIS |
| State/Country: | MISSOURI |
| Postal Code: | 63141 |

PROPERTY NUMBERS Total: 11

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6322726 |
| Patent Number: | 6447697 |
| Patent Number: | 6517747 |
| Patent Number: | 6620348 |
| Patent Number: | 6676858 |
| Patent Number: | 6780991 |
| Patent Number: | 6802994 |
| Patent Number: | 6828437 |
| Patent Number: | 6846437 |
| Patent Number: | 6852853 |
| Patent Number: | 6905639 |

CORRESPONDENCE DATA

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THOMPSON COBURN LLP/WILLIAM A. HOLTZ **Correspondent Name:**

ONE US BANK PLAZA Address Line 1:

PATENT

REEL: 045841 FRAME: 0127 504920864

| Address Line 4: ST | . LOUIS, MISSOURI 63101 |
|----------------------------|-------------------------|
| Address Line 4. | |
| ATTORNEY DOCKET NUMBER: | 46835-170932 |
| NAME OF SUBMITTER: | WILLIAM HOLTZ |
| SIGNATURE: | /William A. Holtz/ |
| DATE SIGNED: | 05/17/2018 |
| Total Attachments: 8 | |
| source=Release_1#page1.tif | |
| source=Release_1#page2.tif | |
| source=Release_1#page3.tif | |
| source=Release_1#page4.tif | |
| source=Release_1#page5.tif | |
| source=Release_1#page6.tif | |
| source=Release_1#page7.tif | |
| source=Release_1#page8.tif | |

PATENT REEL: 045841 FRAME: 0128 RELEASE OF PATENT SECURITY INTEREST

THIS RELEASE OF SECURITY INTEREST (this "Release") is made and entered

into as of the signature date below, by Citicorp USA, Inc., a national banking association

("Citicorp"), having a place of business at 388 Greenwich Street, 19th Floor, New York,

New York 10013, in favor of ICL Performance Products LP, a Delaware limited

partnership ("ICL PP"), with an address of 622 Emerson Road, Suite 500, St. Louis,

Missouri 63141.

WHEREAS, the Security Interest was recorded in the United States Patent and

Trademark Office on March 9, 2005 at Reel 015861, Frame 0384; and

WHEREAS, Astaris LLC ("Astaris"), the predecessor-in-interest to ICL PP, repaid

all obligations under the Credit Agreement dated as of February 8, 2005 (the "Credit

Agreement"), among Astaris, the Lenders and Issuers party thereto, and Citicorp, as

agent for the Lenders and Issuers.

NOW THEREFORE, for good and valuable consideration, receipt and sufficiency

of which are hereby acknowledged:

(i) Citicorp hereby releases its security interest in all of ICL PP's right, title

and interest in and to the Patents defined as being the patents and patent applications

subject to the Credit Agreement and any security agreement entered into in connection

therewith, including without limitation, the Patents set forth on Schedules A and B

hereto; and

(ii) Citicorp hereby reassigns, grants and conveys to ICL PP, without any

representation, recourse or undertaking by Citicorp, all of Citicorp's right, title and

interest in and to the Patents.

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IN WITNESS WHEREOF, the undersigned has caused this Release of Security Inter

| Interest to be executed by its duly authorized officer as of the signature date below. |
|---|
| Citicorp USA, Inc. |
| Signature DAVID TAFFE, VICE President Printed Name and Title |
| May 15, 2018 Date |
| Date J |
| |
| CERTIFICATE OF ACKNOWLEDGMENT |
| STATE OF NEW YORK) |
| STATE OF NEW YORK) CITY OF Queens) |
| On this /s day of MAY, 2018 before me appeared, to me personally known, who, being by me duly sworn, did say that she/he is an employee of the above-referenced Citicorp USA, Inc.; that she/he is authorized to sign this instrument on behalf of Citicorp USA, Inc.; and that she/he acknowledged said instrument to be the free act and deed of Citicorp USA, Inc. |
| IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my official seal in the City and State aforesaid, the day and year first above written. |
| (Seal) Eugliet Dura Notary Public |
| My Commission Expires: July 26, 2868 ELIZABETH DURAN NOTARY PUBLIC-STATE OF NEW YORK No. 01Du6225573 Qualified in Queens County (a) Commission Expires July 26, 20 /8 |

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PATENT REEL: 045841 FRAME: 0130

SCHEDULE A

U.S. PATENTS

| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|---|--------------------------------|---------|--------------------|---------------|------------|------------|--------------------------------|
| FIRE-RETARDANT CONCENTRATES AND METHODS FOR PREPARATION THEREOF AND USE | United States of America | Granted | 09/256226 | 6322726 | 1999-02-24 | 2001-11-27 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | United States of America | Granted | 09/261497 | 6447697 | 1999-03-03 | 2002-09-10 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | United States of America | Granted | 09/752277 | 6517747 | 2000-12-29 | 2003-02-11 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING METAL FERRITES FOR REDUCED CORROSIVITY | United States of America | Granted | 10/128190 | 6620348 | 2002-04-23 | 2003-09-16 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | United States of America | Granted | 10/032595 | 6676858 | 2001-12-26 | 2004-01-13 | ICL Performance Products LP |
| BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | United States of America | Granted | 09/978401 | 6780991 | 2001-10-16 | 2004-08-24 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING AMMONIUM POLYPHOSPHATE AND IRON ADDITIVES FOR CORROSION INHIBITION | United States of America | Granted | 09/723567 | 6802994 | 2000-11-28 | 2004-10-12 | ICL Performance Products LP |

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| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|--|--------------------------------|---------|-----------------|---------------|------------|------------|--------------------------------|
| USE OF BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS TO SUPPRESS FIRES | United States of America | Granted | 10/421148 | 6828437 | 2003-04-23 | 2004-12-07 | ICL Performance Products LP |
| AMMONIUM POLYPHOSPHATE SOLUTIONS CONTAINING MULTI- FUNCTIONAL PHOSPHONATE CORROSION INHIBITORS | United States of America | Granted | 10/033601 | 6846437 | 2001-12-26 | 2005-01-25 | ICL Performance Products LP |
| METHODS FOR PREPARATION OF BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | United States of America | Granted | 10/421149 | 6852853 | 2003-04-23 | 2005-02-08 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | United States of America | Granted | 09/978602 | 6905639 | 2001-10-16 | 2005-06-14 | ICL Performance Products LP |

SCHEDULE B

FOREIGN PATENTS

| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|---|-----------|---------|-----------------|------------|------------|------------|--------------------------------|
| AMMONIUM POLYPHOSPHATE SOLUTIONS CONTAINING MULTI- FUNCTIONAL PHOSPHONATE CORROSION INHIBITORS | Australia | Granted | 2002252508 | 2002252508 | 2002-03-25 | 2005-09-30 | ICL Performance Products LP |
| BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | Australia | Granted | 2002211757 | 2002211757 | 2001-10-16 | 2006-04-28 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING THE SAME | Australia | Granted | 2002311388 | 2002311388 | 2002-11-27 | 2008-04-24 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING AMMONIUM POLYPHOSPHATE AND IRON ADDITIVES FOR CORROSION INHIBITION | Australia | Granted | 2002235123 | 2002235123 | 2001-09-27 | 2006-01-20 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING METAL FERRITES FOR REDUCED CORROSIVITY | Australia | Granted | 2003203283 | 2003203283 | 2003-03-25 | 2008-10-23 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | Australia | Granted | 2002216632 | 2002216632 | 2001-10-16 | 2006-04-28 | ICL Performance Products LP |
| FIRE RETARDANT CONCENTRATES AND METHODS FOR PREPARATION THEREOF AND USE | Australia | Granted | 27840/99 | 762501 | 1999-02-24 | 2003-10-09 | ICL Performance Products LP |

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PATENT REEL: 045841 FRAME: 0133

| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|---|---------|---------|-----------------|------------|------------|------------|--------------------------------|
| AMMONIUM POLYPHOSPHATE SOLUTIONS CONTAINING MULTI- FUNCTIONAL PHOSPHONATE CORROSION INHIBITORS | Canada | Granted | 2470153 | 2470153 | 2002-03-25 | 2008-11-18 | ICL Performance Products LP |
| BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | Canada | Granted | 2429809 | 2429809 | 2001-10-16 | 2009-09-01 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | Canada | Granted | 2414831 | 2414831 | 2002-12-18 | 2008-08-12 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING AMMONIUM POLYPHOSPHATE AND IRON ADDITIVES FOR CORROSION INHIBITION | Canada | Granted | 2429806 | 2429806 | 2001-09-27 | 2009-09-01 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING METAL FERRITES FOR REDUCED CORROSIVITY | Canada | Granted | 2423752 | 2423752 | 2003-03-26 | 2010-07-06 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | Canada | Granted | 2430420 | 2430420 | 2001-10-16 | 2010-06-08 | ICL Performance Products LP |
| FIRE RETARDANT CONCENTRATES AND METHODS FOR PREPARATION THEREOF AND THE LIKE | Canada | Granted | 2321904 | 2321904 | 1999-02-24 | 2005-07-26 | ICL Performance Products LP |

| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|---|---------|---------|-----------------|------------|------------|------------|--------------------------------|
| AMMONIUM POLYPHOSPHATE SOLUTIONS CONTAINING MULTI- FUNCTIONAL PHOSPHONATE CORROSION INHIBITORS | France | Granted | 02721583.9 | 1458449 | 2002-03-25 | 2008-01-09 | ICL Performance Products LP |
| BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | France | Granted | 01979835.4 | 1341585 | 2001-10-16 | 2007-06-13 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | France | Granted | 02/15663 | 2842819 | 2002-12-11 | 2006-08-18 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING AMMONIUM POLYPHOSPHATE AND IRON ADDITIVES FOR CORROSION INHIBITION | France | Granted | 01985472.8 | 1341586 | 2001-09-27 | 2007-03-28 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING METAL FERRITES FOR REDUCED CORROSIVITY | France | Granted | 0304983 | 0304983 | 2003-04-23 | 2007-02-16 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | France | Granted | 10181348.3 | 2280055 | 2001-10-16 | 2013-04-17 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | France | Granted | 01998612.4 | 1343855 | 2001-10-16 | 2015-04-15 | ICL Performance Products LP |
| FIRE RETARDANT CONCENTRATES AND METHODS FOR PREPARATION THEREOF AND USE | France | Granted | 99908397.5 | 1056519 | 1999-02-24 | 2005-04-27 | ICL Performance Products LP |

| Application Title | Country | Status | Application No. | Patent No. | Filed Date | Grant Date | Owner |
|---|---------|---------|-----------------|------------|------------|------------|--------------------------------|
| AMMONIUM POLYPHOSPHATE SOLUTIONS CONTAINING MULTI- FUNCTIONAL PHOSPHONATE CORROSION INHIBITORS | Spain | Granted | 02721583.9 | 1458449 | 2002-03-25 | 2008-01-09 | ICL Performance Products LP |
| BIOPOLYMER THICKENED FIRE RETARDANT COMPOSITIONS | Spain | Granted | 01979835.4 | 1341585 | 2001-10-16 | 2007-06-13 | ICL Performance Products LP |
| COLORANT LIQUID, METHOD OF USE, AND WILDLAND FIRE RETARDANT LIQUIDS CONTAINING SAME | Spain | Granted | 200202993 | 200202993 | 2002-12-24 | 2005-10-27 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS CONTAINING AMMONIUM POLYPHOSPHATE AND IRON ADDITIVES FOR CORROSION INHIBITION | Spain | Granted | 01985472.8 | 1341586 | 2001-09-27 | 2007-03-28 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | Spain | Granted | 10181348.3 | 2280055 | 2001-10-16 | 2013-04-17 | ICL Performance Products LP |
| FIRE RETARDANT COMPOSITIONS WITH REDUCED ALUMINUM CORROSIVITY | Spain | Granted | 01998612.4 | 1343855 | 2001-10-16 | 2015-04-15 | ICL Performance Products LP |
| FIRE RETARDANT CONCENTRATES AND METHODS FOR PREPARATION THEREOF AND USE | Spain | Granted | 99908397.5 | 1056519 | 1999-02-24 | 2005-04-27 | ICL Performance Products LP |

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RECORDED: 05/18/2018

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