

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

|                            |                                      |
|----------------------------|--------------------------------------|
| SUBMISSION TYPE:           | NEW ASSIGNMENT                       |
| NATURE OF CONVEYANCE:      | PATENT SECURITY AGREEMENT            |
| CONVEYING PARTY DATA       |                                      |
| Name                       | Execution Date                       |
| ARR-MAZ PRODUCTS, L.P.     | 12/24/2012                           |
| RECEIVING PARTY DATA       |                                      |
| Name:                      | GENERAL ELECTRIC CAPITAL CORPORATION |
| Street Address:            | 201 MERRITT 7                        |
| City:                      | NORWALK                              |
| State/Country:             | CONNECTICUT                          |
| Postal Code:               | 06851                                |
| PROPERTY NUMBERS Total: 57 |                                      |
| Property Type              | Number                               |
| Patent Number:             | 5858214                              |
| Patent Number:             | 5931610                              |
| Patent Number:             | 5947645                              |
| Patent Number:             | 6062094                              |
| Patent Number:             | 6127937                              |
| Patent Number:             | 6685027                              |
| Patent Number:             | 6355083                              |
| Patent Number:             | 6340394                              |
| Patent Number:             | 6805242                              |
| Patent Number:             | 6514331                              |
| Patent Number:             | 6514332                              |
| Patent Number:             | 6776832                              |
| Patent Number:             | 6994786                              |
| Patent Number:             | 7396474                              |
| Patent Number:             | 7563378                              |

OP \$2280.00 5858214

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| Patent Number:      | 6682593  |
| Patent Number:      | 6830408  |
| Patent Number:      | 7550175  |
| Patent Number:      | 6599057  |
| Patent Number:      | 7275890  |
| Patent Number:      | 5445473  |
| Patent Number:      | 8329250  |
| Patent Number:      | 7888413  |
| Patent Number:      | 7503202  |
| Patent Number:      | 8162243  |
| Patent Number:      | 7897254  |
| Patent Number:      | 8057846  |
| Patent Number:      | 7316520  |
| Patent Number:      | 7455476  |
| Patent Number:      | 7279035  |
| Patent Number:      | 7213446  |
| Patent Number:      | 6623207  |
| Patent Number:      | 5795929  |
| Patent Number:      | 5773496  |
| Patent Number:      | 7108450  |
| Patent Number:      | 5874492  |
| Patent Number:      | 5605946  |
| Patent Number:      | 7479185  |
| Patent Number:      | 7709106  |
| Patent Number:      | 6805516  |
| Patent Number:      | 7802941  |
| Patent Number:      | 6543962  |
| Patent Number:      | 7798744  |
| Application Number: | 13031971 |
| Application Number: | 12395318 |
| Application Number: | 12395365 |
| Application Number: | 13094362 |
| Application Number: | 13421222 |
| Application Number: | 12826353 |
| Application Number: | 13217895 |

|                     |          |
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|                     | 13010185 |
| Application Number: | 12631305 |
| Application Number: | 12173571 |
| Application Number: | 12949471 |
| Application Number: | 12395203 |
| Application Number: | 12395303 |
| Application Number: | 12395472 |

**CORRESPONDENCE DATA**  
  
Fax Number: 7147558290  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Email: IPDOCKET@LW.COM, KRISTIN.AZCONA@LW.COM  
Correspondent Name: LATHAM & WATKINS LLP  
Address Line 1: 650 TOWN CENTER DRIVE, 20TH FLOOR  
Address Line 4: COSTA MESA, CALIFORNIA 92626

|                         |                  |
|-------------------------|------------------|
| ATTORNEY DOCKET NUMBER: | 025646-0668      |
| NAME OF SUBMITTER:      | KRISTIN J AZCONA |

Total Attachments: 8  
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PATENT SECURITY AGREEMENT

PATENT SECURITY AGREEMENT, dated as of December 24, 2012, by ARR-MAZ PRODUCTS, L.P., ARR-MAZ CUSTOM CHEMICALS, INC., ARMAZ SPECIALTY CHEMICALS, INC. and CUSTOM CHEMICALS CORPORATION (individually, a "Grantor", and, collectively, the "Grantors"), in favor of GENERAL ELECTRIC CAPITAL CORPORATION, in its capacity as administrative agent pursuant to the Credit Agreement (in such capacity, the "Agent").

WITNESSETH:

WHEREAS, the Grantors are party to a Security Agreement dated as of December 24, 2012 (the "Security Agreement") in favor of the Agent pursuant to which the Grantors are required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantors hereby agree with the Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. Each Grantor hereby pledges and grants to the Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all Patents of such Grantor included in the Collateral, including the United States registered patents and patent applications listed on Schedule I attached hereto.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Agent pursuant to the Security Agreement and Grantors hereby acknowledge and affirm that the rights and remedies of the Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any

provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Termination. At the time provided in Section 9.10(b)(iii) of the Credit Agreement, the security interest granted herein shall automatically terminate and be deemed released, and the Agent shall execute, acknowledge, and deliver to the Grantors an instrument in writing in recordable form releasing the lien and security interest in the Patents under this Patent Security Agreement.

SECTION 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.

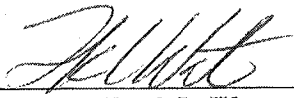
SECTION 6. Governing Law. This Patent Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Patent Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York, without regard to conflicts of law principles that would require the application of the laws of another jurisdiction.

[signature page follows]

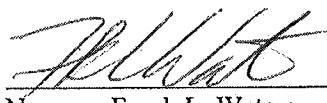
IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

ARR-MAZ PRODUCTS, L.P.

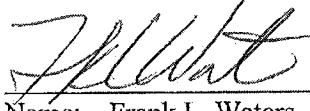
By: Arr-Maz Management Company,  
its General Partner

By:   
Name: Frank L. Waters  
Title: Chief Executive Officer

ARR-MAZ CUSTOM CHEMICALS, INC.

By:   
Name: Frank L. Waters  
Title: Chief Executive Officer

ARRMAZ SPECIALTY CHEMICALS, INC.

By:   
Name: Frank L. Waters  
Title: Chief Executive Officer

CUSTOM CHEMICALS CORPORATION

By:   
Name: Frank L. Waters  
Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

Accepted and Agreed:

GENERAL ELECTRIC CAPITAL CORPORATION,  
as Agent

By: Brian Sommerfeld

Name:

Brian E. Sommerfeld

Title: Its Duly Authorized Signatory

Duly Authorized Signatory

[Signature Page to Patent Security Agreement]

**PATENT**  
**REEL: 029529 FRAME: 0868**

SCHEDULE I  
to  
PATENT SECURITY AGREEMENT  
ISSUED PATENTS AND PATENT APPLICATIONS

**Issued United States Patents:**

| <b>Title</b>                                                                                          | <b>Patent Number</b> | <b>Issue Date</b> | <b>Record Owner</b>          |
|-------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------------------|
| Phosphate Beneficiation Process Using Polymers As Slime Flocculants                                   | 5858214              | 1/12/99           | Arr-Maz Products, L.P.       |
| Fiber Dispensing System                                                                               | 5931610              | 08/03/99          | Arr-Maz Products, L.P.       |
| Fiber Dispensing System                                                                               | 5947645              | 09/07/99          | Arr-Maz Products, L.P.       |
| Dust Measurement System For Granular Matter                                                           | 6062094              | 05/16/00          | Arr-Maz Products, L.P.       |
| System And Method For Monitoring Environmental Conditions Inside A Granulated File                    | 6127937              | 10/03/00          | Arr-Maz Products, L.P.       |
| Method Of Concentrating Phosphates From Their Ores                                                    | 6685027              | 02/03/04          | Arr-Maz Products, L.P.       |
| Dust Control Composition For Fertilizer And Method Of Treatment Of Fertilizer                         | 6355083              | 03/12/02          | Arr-Maz Products, L.P.       |
| Silo Granular Feed Distribution And Ladder Chute Apparatus                                            | 6340394              | 01/22/02          | Arr-Maz Products, L.P.       |
| Method Of Reducing Phosphate Ore Losses In A Desliming Process                                        | 6805242              | 10/19/04          | Arr-Maz Products, L.P.       |
| Coating Compositions Containing Methyl/Ethyl Esters And Methods Of Using Same                         | 6514331              | 02/04/03          | Arr-Maz Products, L.P.       |
| Coating Compositions Containing Methyl/ Ethyl Esters And Methods Of Using Same                        | 6514332              | 02/04/03          | Arr-Maz Products, L.P.       |
| Coating Compositions For Free-Flowing Dry Materials And Methods Of Using Same                         | 6776832              | 08/17/04          | Arr-Maz Products, L.P.       |
| Enhanced Flotation Reagents For Beneficiation Of Phosphate Ores                                       | 6149013              | 11/21/00          | Custom Chemicals Corporation |
| Phosphate Beneficiation Process Using Methyl Or Ethyl Esters As Float Oils                            | 6994786              | 02/07/06          | Arr-Maz Products, L.P.       |
| Dual Injection Of Two Polymeric Filtration Aids For Gypsum Removal From Phosphoric Acid/Gypsum Slurry | 7396474              | 07/08/08          | Arr-Maz Products, L.P.       |
| Dual Injection Of Two Polymeric Filtration Aids For Gypsum Removal From Phosphoric Acid/Gypsum Slurry | 7563378              | 07/21/09          | Arr-Maz Products, L.P.       |



| <b>Title</b>                                                                                                                                   | <b>Patent Number</b> | <b>Issue Date</b> | <b>Record Owner</b>               |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|-----------------------------------|
| Composition which is simultaneously anticlumping and water-repellant for salts, simple and complex fertilizers and process for the use thereof | 5698005              | 12/16/97          | Arr Maz Specialty Chemicals, Inc. |
| Anti-clumping products, compositions containing the said products and treatments in which the said products are used                           | 5364440              | 11/15/94          | Arr Maz Specialty Chemicals, Inc. |
| Aggregate Stabilizing emulsion and a mixture of the emulsion with aggregate                                                                    | 6682593              | 01/27/04          | Arr-Maz Products, L.P.            |
| Froth Flotation Process with Ph Modification                                                                                                   | 7516849              | 04/14/09          | Arr-Maz Custom Chemicals Inc.     |
| Enhancing Sedimentation Performance of Clarifiers/ Thickeners                                                                                  | 8187470              | 05/29/12          | Arr-Maz Custom Chemicals Inc.     |
| Method for Improving Gypsum/ Phosphoric Acid Slurry Filtration Using Carboxymethyl Cellulose                                                   | 8182698              | 05/22/12          | Arr-Maz Custom Chemicals Inc.     |
| System for Repairing Distressed Roads that Includes an Asphalt Interlayer                                                                      | 6830408              | 12/14/04          | Arr -Maz Products, L.P.           |
| Method for Selecting an Asphalt Mixture for Making an Interlayer and Method of Making an Interlayer                                            | 7550175              | 06/23/09          | Arr-Maz Products, L.P.            |
| Cold In-Place Recycling of Bituminous Material                                                                                                 | 6599057              | 07/29/03          | Arr-Maz Products, L.P.            |
| Cold In-Place Recycling of Bituminous Material                                                                                                 | 7275890              | 10/02/07          | Arr-Maz Products, L.P.            |
| Crack Anti-Rise System Inserted Between the Structural Layer and the Road Carpet of a Carriageway and Process for Producing such a System      | 5445473              | 08/29/95          | Arr-Maz Products, L.P.            |
| Crack Resistant Coating and Method of Applying Crack Resistant Coating                                                                         | 8329250              | 12/11/12          | Arr-Maz Products, L.P.            |
| Crack Resistant Layer with Good Binder Fracture Energy Properties and Method of Selecting Same                                                 | 7888413              | 02/15/11          | Arr-Maz Products, L.P.            |
| Design Technique for Selecting a Bituminous Mixture for Use in a Hot In-Place Recycling Process                                                | 7503202              | 03/17/09          | Arr-Maz Products, L.P.            |
| Fiber Feeder                                                                                                                                   | 8162243              | 04/24/12          | Arr-Maz Products, L.P.            |
| Fiber Modified Layer and Methods of Making and Using Same                                                                                      | 7897254              | 03/01/11          | Arr-Maz Products, L.P.            |
| Fiber Modified Layer and Methods of Making and Using Same                                                                                      | 8057846              | 11/15/11          | Arr-Maz Products, L.P.            |
| Low Surface Area Shearing Device                                                                                                               | 7316520              | 01/08/08          | Arr-Maz Products, L.P.            |
| Method of Reconstructing a Bituminous-Surfaced Pavement                                                                                        | 7455476              | 11/25/08          | Arr-Maz Products, L.P.            |

| <b>Title</b>                                                                                                                                                                                        | <b>Patent Number</b> | <b>Issue Date</b> | <b>Record Owner</b>                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|--------------------------------------------|
| Method Of Selecting A Binder For A Chipsealing Process Based On Its Adhesion Index                                                                                                                  | 7279035              | 10/09/07          | Arr-Maz Products, L.P.                     |
| Method of Selecting a Bituminous Emulsion Based on its Coalescence                                                                                                                                  | 7213446              | 05/8/07           | Arr-Maz Products, L.P.                     |
| Method of Upgrading Gravel and/or Dirt Roads and a Composite Road Resulting Therefrom                                                                                                               | 6623207              | 09/23/03          | Arr-Maz Products L.P.                      |
| Polymer Enhanced Asphalt Emulsion                                                                                                                                                                   | 5795929              | 08/18/98          | Arr-Maz Products L.P.                      |
| Polymer Enhanced Asphalt                                                                                                                                                                            | 5773496              | 06/30/98          | Arr-Maz Products L.P.                      |
| Portable Drag Box With Automated Shearing Device                                                                                                                                                    | 7108450              | 9/19/06           | Arr-Maz Products, L.P.                     |
| Process for the Preparation of Bitumen-Polymer Compositions, Application of the Compositions Obtained to the Production of Coatings and Polymer Master Solution for Obtaining the Said Compositions | 5874492              | 02/23/99          | Arr-Maz Products, L.P.                     |
| Process for the Preparation of Bitumen-Polymer Compositions, Application of the Compositions Obtained to the Production of Coatings and Polymer Master Solution for Obtaining the Said Compositions | 5605946              | 02/25/97          | Arr-Maz Products, L.P.                     |
| Reflective Crack Relief Layer That is Permeable                                                                                                                                                     | 7479185              | 01/20/09          | Arr-Maz Products, L.P.                     |
| Reflective Crack Relief Pavement Interlayer with Improved Load Bearing Capacity and Method for Designing Interlayer                                                                                 | 7709106              | 05/04/10          | Arr-Maz Products, L.P.                     |
| Roadway Paving System and Method Including Roadway Paving Vehicle and Supply Truck                                                                                                                  | 6805516              | 10/19/04          | E. D. Etnyre & Co.; Arr-Maz Products, L.P. |
| Rut Resistant Coating and Method of Applying Rut Resistant Coating                                                                                                                                  | 7802941              | 09/28/10          | Arr-Maz Products, L.P.                     |
| Screed Assembly with Improved Sensitivity and Response to Varying Surface Conditions                                                                                                                | 6543962              | 04/08/03          | Arr-Maz Products, L.P.                     |
| Seal Coat Process Utilizing Multiple Applications of Asphalt Binder and Aggregate                                                                                                                   | 7798744              | 09/21/10          | Arr-Maz Products, L.P.                     |

**United States Patent Applications:**

| <b>Title</b>                                                                                                                                       | <b>Application Number</b> | <b>Filing Date</b> | <b>Record Owner</b>            |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|--------------------------------|
| Defoaming Composition for High Acid Strength Media                                                                                                 | 13106217                  | 05/12/11           | Arr-Maz Custom Chemicals, Inc. |
| Crack Resistant Coating and Method of Applying Crack Resistant Coating                                                                             | 13031971                  | 02/22/11           | Arr-Maz Products, L.P.         |
| Crack Resistant Layer With Good Beam Fatigue Properties and Method of Selecting Same                                                               | 12395318                  | 02/27/09           | Arr-Maz Products, L.P.         |
| Crack Resistant Layer with Good Binder Fracture Energy Properties and Method of Selecting Same                                                     | 12395365                  | 02/27/09           | Arr-Maz Products, L.P.         |
| Destabilized Bituminous Bonding Layer                                                                                                              | 13094362                  | 04/26/11           | Arr-Maz Products, L.P.         |
| Destabilized Bituminous Bonding Layer                                                                                                              | 13421222                  | 03/15/12           | Arr-Maz Products, L.P.         |
| Fiber Modified Layer and Methods of Making and Using Same                                                                                          | 12826353                  | 06/29/10           | Arr-Maz Products, L.P.         |
| Fiber Modified Layer and Methods of Making and Using Same                                                                                          | 13217895                  | 08/25/11           | Road Science, LLC              |
| Foamed Bituminous Emulsion                                                                                                                         | 13010185                  | 01/20/11           | Arr-Maz Products, L.P.         |
| Super Concentrated Polymer-Binder Composite                                                                                                        | 12631305                  | 12/04/09           | Arr-Maz Products, L.P.         |
| Polymer-Binder Composite and Methods of Making and Using Same                                                                                      | 12173571                  | 07/15/08           | Arr-Maz Products, L.P.         |
| Reflective Crack Relief Layer That is Permeable                                                                                                    | 12949471                  | 11/18/10           | Arr-Maz Products, L.P.         |
| Crack Resistant Layer with Good Mixture Fracture Energy and Method of Selecting Same                                                               | 12395203                  | 02/27/09           | Arr-Maz Products, L.P.         |
| Crack Resistant Layer With Good Mixture Fracture Energy Made From An Emulsion Of A Polymer Modified Bituminous Binder And Method Of Selecting Same | 12395303                  | 02/27/09           | Arr-Maz Products, L.P.         |
| Crack Resistant Layer With Good Beam Fatigue Properties Made From An Emulsion Of A Polymer Modified Bituminous Binder And Method Of Selecting Same | 12395472                  | 02/27/09           | Arr-Maz Products, L.P.         |