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Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Huntsman Ethyleneamines Ltd.

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Deutsche Trust Company Americas, as agent

Internal Address: \_\_\_\_\_

Street Address: 31 W. 52nd St.

City: New York State: NY ZIP: 10022

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: July 13, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

4806690

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Laura Konrath

Internal Address: Winston & Strawn LLP  
33rd Floor

Street Address: 35 W. Wacker Dr.

City: Chicago State: IL ZIP: 60601

6. Total number of applications and patents involved: 16

7. Total fee (37 CFR 3.41).....\$ 640.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:  
N/A

(Attach duplicate copy of this page if paying by deposit account)

07/29/2004 LNUELLER 00000000 4806690

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640.00 DP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Laura Konrath  
Name of Person Signing

*(Handwritten Signature)*  
Signature

7/27/04  
Date

Total number of pages including cover sheet, attachments, and document: 16

Continuation  
Item 4

SCHEDULE 5.1(A)

Patents

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Huntsman International LLC & Subsidiaries  
Company: Huntsman Ethyleneamines Ltd.  
Date of Report: 08JUL2004

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
32767	USA	G		13MY1985	73293	21FEB1989	4806690	21AUG2000	21FEB2006
Title: METHOD FOR PRODUCING AMINES									
Inventors: BOWMAN R G									
Owner of Record: Huntsman Ethyleneamines Ltd.									
34711	USA	G		14OCT1988	257851	09JUL1991	5030740	09JAN2003	14OCT2008
Title: PROCESS FOR PREPARING LINEARLY EXTENDED									
Inventors: BOWMAN R G MOLZAHN D HARTWELL G									
Owner of Record: Huntsman Ethyleneamines Ltd.									
35291-C1	USA	P	G	01JAN1988	200813	10APR1990	4915890	10OCT2001	17SEP2007
Title: CASTING PROCESS									
Inventors: KOBLINSKI TAMEZ A C CROFT A P									
Owner of Record: Huntsman Ethyleneamines Ltd.									
35291-D1	USA	D	G	28MR1990	500622	23JUL1991	5034448	23JAN2003	23JUL2008
Title: SLIP COMPOSITION FOR WHITEWARE ARTICLES									
Inventors: KOBLINSKI TAMEZ A C CROFT A P									
Owner of Record: Huntsman Ethyleneamines Ltd.									
36381	USA	P	G	02OCT1990	591914	27APR1993	5205971	27OCT2004	27APR2010
Title: MANUFACTURE OF NON-WHITEWARE CERAMIC ARTICLES									
Inventors: CROFT A P KOBLINSKI									
Owner of Record: Huntsman Ethyleneamines Ltd.									
36538	USA	G		23JAN1991	644723	29SEP1992	5151130	29MAR2004	23JAN2011
Title: AMINE BASED CONSISTENCY REDUCERS FOR GYPSUM STUCCO SLURRIES									
Inventors: CROFT A P KOBLINSKI									
Owner of Record: Huntsman Ethyleneamines Ltd.									
37237	USA	G		07AUG1989	390323	08SEP1992	5145624	08MAR2004	08SEP2009
Title: PRESSING OF WHITEWARE CERAMIC ARTICLES									
Inventors: CROFT A P									
Owner of Record: Huntsman Ethyleneamines Ltd.									

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Huntsman International LLC & Subsidiaries  
 Company: Huntsman Ethyleneamines Ltd.  
 Date of Report: 08JUL2004

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
37262	USA		G	08NO1989	433630	15OC1991	5057467	15AP2003	08NO2009
Title: PROCESSING ADDITIVES FOR CLAY PRODUCTION Inventors: CROFT A P Owner of Record: Huntsman Ethyleneamines Ltd.									
40299	USA		G	29MY1992	891230	05AP1994	5300324	05OC2005	29MY2012
Title: PROCESS TO INCREASE THE DRYING RATE OF A GLAZE FOR CERAMICS Inventors: CROFT A P SHEFFIELD Owner of Record: Huntsman Ethyleneamines Ltd.									
41732	USA		G	17JAL1995	373354	24JE1997	5641385	24DE2004	17JA2015
Title: USE OF ETHYLENEAMINE FOR WASHING PULP CONTAINING LIGNIN Inventors: CROFT A P SHEFFIELD Owner of Record: Huntsman Ethyleneamines Ltd.									
41951	USA		G	02JE1995	459899	06OC1998	5817593	06AP2006	06OC2015
Title: CATALYST AND PROCESS FOR PRODUCING AMINES Inventors: CHANG D SHERROD F Owner of Record: Huntsman Ethyleneamines Ltd.									
41951B	USA		D	26JE1998	105563	14SE1999	5952529	14MR2007	02JE2015
Title: CATALYST AND PROCESS FOR PRODUCING AMINES Inventors: CHANG D SHERROD F Owner of Record: Huntsman Ethyleneamines Ltd.									
43087	USA		G	25MR1998	047803	28NO2000	6153049	28MY2008	25MR2018
Title: METHOD FOR INHIBITING THE DEPOSITION OF WHITE FITCH IN PAPER Inventors: CROFT A P Owner of Record: Huntsman Ethyleneamines Ltd.									
43087-D1	USA		D	20SE2000	666035	27AU2002	6441240	27FE2006	25MR2018
Title: METHOD FOR INHIBITING THE DEPOSITION OF WHITE FITCH IN PAPER Inventors: CROFT A P Owner of Record: Huntsman Ethyleneamines Ltd.									
44092	USA		G	23JUL1999	360301	06NO2001	6312560	06MY2005	23JUL2019
Title: USE OF ALKYLENEAMINES FOR ENHANCING LIME MUD DEWATERING Inventors: CROFT A P Owner of Record: Huntsman Ethyleneamines Ltd.									

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Company: Huntsman Ethyleneamines Ltd.  
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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
44092-D1	USA	D	G	25SE2001	963001	17SE2002	6451164	17MR2006	23JUL2019

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Title:ALKYLENEAMINE COMPOSITION FOR ENHANCING LIME MUD DEWATERING  
Inventors:CROFT A P  
Owner of Record: Huntsman Ethyleneamines Ltd.

**MEMORANDUM OF SECURITY INTEREST**

WHEREAS, Huntsman Ethyleneamines Ltd., a Texas limited partnership (hereinafter referred to as "Assignor"), owns the letters patent and applications for letters patent of the United States, as more particularly described and listed on Schedule 5.1(A) annexed hereto and made a part hereof (the "Patents"); and

WHEREAS, Assignor has entered into an Amended and Restated Collateral Security Agreement dated as of July 13, 2004 and as may be further amended, restated, supplemented or otherwise modified (hereinafter the "Security Agreement") with, among others, certain of its affiliates, Deutsche Bank Trust Company Americas, as Collateral Agent thereunder (hereinafter, in its capacity as Collateral Agent, referred to as "Assignee"), for the "Secured Parties" identified therein, in order to secure the prompt and complete payment, observance and performance of the Secured Obligations, as defined in the Security Agreement;

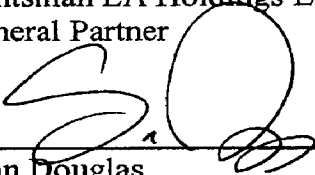
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as collateral security for the prompt and complete payment and performance when due by Assignor of the Secured Obligations, Assignor does hereby grant, pledge, assign and transfer unto Assignee a security interest in, and mortgage on, all right, title and interest of Assignor in and to the Patents, together with any application, issue, re-examination, re-issue, continuation, continuation-in-part, division, improvement or extension thereof, and all proceeds thereof, including, without limitation, any and all causes of action for infringement thereof for the full term of the patents and any and all royalties for any licenses thereof (the "Collateral"), to secure the prompt payment, performance and observance of the Secured Obligations. Assignor does hereby further acknowledge and affirm that the rights and remedies of Assignee with respect to the security interest in the Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

[signature pages follow]

IN WITNESS WHEREOF, Assignor has caused this Memorandum of Security Interest (Patents) to be duly executed by its officer thereunto authorized as of the \_\_ day of July, 2004.


HUNTSMAN ETHYLENEAMINES LTD.,  
a Texas limited partnership

By: Huntsman EA Holdings LLC  
Its: General Partner

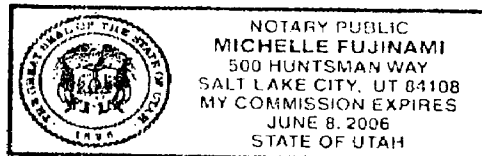
By:   
Name: Sean Douglas  
Title: Vice President

STATE OF UTAH )  
 ) SS.  
COUNTY OF SALT LAKE )

On this 13th day of July, 2004, before me personally appeared the above-named Sean Douglas, to me known, who being by me duly sworn according to law, on his oath stated that he is the Vice President of HUNTSMAN EA HOLDINGS LLC, a Delaware limited liability company and General Partner of HUNTSMAN ETHYLENEAMINES LTD., and acknowledged that he signed, sealed and delivered the foregoing instrument as the free and voluntary act and deed of said corporation.

  
Notary Public

My Commission Expires: June 8, 2006



Schedule 5.1(A)

CHI:1394889.1

PATENT  
REEL: 015603 FRAME: 0732

SCHEDULE 5.1(A)

Patents

Huntsman International LLC & Subsidiaries  
 Company: Huntsman Ethyleneamines Ltd.  
 Date of Rep: Ft: 08JUL2004

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37262 USA G 08NO1989 433630 15OC1991 5057467 15AP2003 08NO2009  
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 Inventors: CROFT A P  
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40299 USA G 29MY1992 891230 05AP1994 5300324 05OC2005 29MY2012  
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41732 USA G 17JA1995 373351 24JUL1997 5641385 24DEC2004 17JUL2015  
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 Owner of Record: Huntsman Ethyleneamines Ltd.

41951 USA G 02JUL1995 459851 06OC1998 5817593 06AP2006 06OC2015  
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41951B USA D 26JUL1998 105564 14SEP1999 5952529 14MR2007 02JUL2015  
 Title: CATALYST AND PROCESS FOR PRODUCING AMINES  
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43087 USA G 25MR1998 047803 28NO2000 6153049 28MY2008 25MR2018  
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43087-D1 USA D 20SEP2000 666035 27AUG2002 6441240 27FEB2006 25MR2018  
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44092 USA G 23JUL1999 360301 06NO2001 6312560 06MY2005 23JUL2019  
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