

01-23-2001

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT



101591119  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New  
☐ Resubmission (Non-Recordation)  
Document ID#

☐ Correction of PTO Error

Reel # Frame #

☐ Corrective Document

Reel# Frame #

**Conveyance Type**

☐ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name

☐ Merger

☒ Other Notice of Grant of Security Interest

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1) Hercules Incorporated, a Delaware corporation

11/14/00

Name (line 2)

**Second Party**

Execution Date  
Month Day Year

Name (line 1) Hercules Credit, Inc., a Delaware corporation

11/14/00

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 1) Bank of America, N.A., as Collateral Agent

Name (line 2)

Address (line 1) 101 N. Tryon Street

Address (line 2) Independence Center, 15<sup>th</sup> Floor

Address (line 3) Charlotte  
City

North Carolina  
State/Country

28255  
Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

N/A

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

01/19/2001 DNGUYEN 00000104 5512616

FOR OFFICE USE ONLY

01 FC:581

1000.00.00

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**Correspondent Name and Address**

Area Code and Telephone Number **(919) 286-8000**

Name **Steven D. Thomas**

Address (line 1) **Moore & Van Allen PLLC**

Address (line 2) **2200 West Main Street**

Address (line 3) **Suite 800**

Address (line 4) **Durham, North Carolina 27705**

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

**5512616**

**5607388**

**5698480**

**5522794**

**5627269**

**5502160**

**5556375**

**5470742**

**5441812**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties** Enter the total number of properties involved.

#

**45**

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41):

\$

**1,800.00**

Method of Payment:  
Deposit Account

Enclosed ☒

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

**13-4365**

Authorization to charge additional fees:

Yes ☒

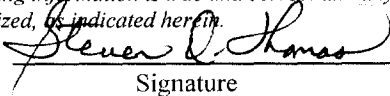
No ☐

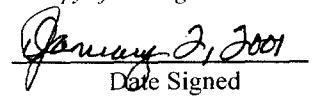
**Statement and Signature**

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. Charges to deposit account are authorized, as indicated herein.

**Steven D. Thomas**

Name of Person Signing

  
Signature

  
Date Signed

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1)	Hercules Flavor, Inc., a Delaware corporation	Execution Date Month Day Year 11/14/00
Name (line 2)		Execution Date Month Day Year
Name (line 1)	WSP, Inc., a Delaware corporation	11/14/00
Name (line 2)		Execution Date Month Day Year
Name (line 1)	Aqualon Company, a Delaware partnership	11/14/00
Name (line 2)		

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)				If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)
Name (line 2)				
Address (line 1)				
Address (line 2)				
Address (line 3)	City	State/Country	Zip Code	If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)
Name (line 1)				
Name (line 2)				
Address (line 1)				
Address (line 2)				
Address (line 3)	City	State/Country	Zip Code	

**Application Number(s) or Patent Number(s)**



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

			5430200	5531727	5882562
			5556589	5543446	5690961
			5574081	5510004	6033526
			5433776	5614597	5817900
			5502140	5582667	5573721

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)** ☒ **Mark if additional names of conveying parties attached**  
Enter Additional Conveying Party

Name (line 1) Hercules Finance Company, a Delaware partnership

**Execution Date**  
**Month Day Year**

11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) Fibervisions, L.L.C., a Delaware limited liability company

11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) Fibervisions Incorporated, a Delaware corporation

11/14/00

Name (line 2)

**Receiving Party(ies)** ☐ **Mark if additional names of receiving parties attached**  
Enter Additional Receiving Party

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

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Name (line 2)

Address (line 1)

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Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)** ☒ **Mark if additional numbers attached**  
*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

Patent Application Number(s)

Patent Number(s)


5487943	5491214	5686537
SIRH1743	5725731	5540953
5879814	5601861	5564856
5582904	5645757	5578168
5512091	5554437	5656733

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)** ☒ **Mark if additional names of conveying parties attached**  
Enter Additional Conveying Party

Name (line 1)	<input type="text" value="Fibervisions Products, Inc., a Georgia corporation"/>	<b>Execution Date</b> <b>Month Day Year</b> <input type="text" value="11/14/00"/>
Name (line 2)	<input type="text"/>	<b>Execution Date</b> <b>Month Day Year</b>
Name (line 1)	<input type="text" value="Hercules International Limited, a Delaware corporation"/>	<input type="text" value="11/14/00"/>
Name (line 2)	<input type="text"/>	<b>Execution Date</b> <b>Month Day Year</b>
Name (line 1)	<input type="text" value="Betzdearborn Inc., a Pennsylvania corporation"/>	<input type="text" value="11/14/00"/>
Name (line 2)	<input type="text"/>	

**Receiving Party(ies)** ☐ **Mark if additional names of receiving parties attached**  
Enter Additional Receiving Party

Name (line 1)	<input type="text"/>		
Name (line 2)	<input type="text"/>		
Address (line 1)	<input type="text"/>		
Address (line 2)	<input type="text"/>		
Address (line 3)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	City	State/Country	Zip Code

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Name (line 1)	<input type="text"/>		
Name (line 2)	<input type="text"/>		
Address (line 1)	<input type="text"/>		
Address (line 2)	<input type="text"/>		
Address (line 3)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	City	State/Country	Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

**Application Number(s) or Patent Number(s)** ☒ **Mark if additional numbers attached**  
*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

**Patent Application Number(s)**

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5739239"/>	<input type="text" value="5654088"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5626719"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5644021"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5633300"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="RE35621"/>	<input type="text"/>	<input type="text"/>

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1) Betzdearborn Europe, Inc., a Pennsylvania corporation

**Execution Date**  
**Month Day Year**  
11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**  
11/14/00

Name (line 1) D R C LTD., a Delaware corporation

**Execution Date**  
**Month Day Year**  
11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**  
11/14/00

Name (line 1) BL Technologies, Inc., a Delaware corporation

**Execution Date**  
**Month Day Year**  
11/14/00

Name (line 2)

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 1)

Name (line 2)

Address (line 1)

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Application Number(s) or Patent Number(s)



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Patent Application Number(s)

Patent Number(s)



**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1) **BLI Holdings Corp., a Delaware corporation**

**Execution Date**  
**Month Day Year**

**11/14/00**

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) **Hercules Shared Services Corporation, a Delaware corporation**

**11/14/00**

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) **Betzdearborn International, Inc., a Pennsylvania corporation**

**11/14/00**

Name (line 2)

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

State/Country

Zip Code

Zip Code

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Address (line 3)

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Zip Code

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Patent Application Number(s)

Patent Number(s)

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1) Athens Holdings, Inc., a Delaware corporation

Name (line 2)

Name (line 1) Betzdearborn China, Ltd., a Delaware corporation

Name (line 2)

Name (line 1) BL Chemicals Inc., a Delaware corporation

Name (line 2)

Execution Date  
Month Day Year

11/14/00

Execution Date  
Month Day Year

11/14/00

Execution Date  
Month Day Year

11/14/00

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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If document to be recorded  
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Name (line 1)

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**Patent Application Number(s)**

**Patent Number(s)**





**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

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**Patent Application Number(s)**

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>
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**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1) **Fibervisions, L.P., a Delaware limited partnership**

**Execution Date**  
**Month Day Year**  
**11/14/00**

Name (line 2)

Name (line 1) **Hercules Chemical Corporation, a Delaware corporation**

**Execution Date**  
**Month Day Year**  
**11/14/00**

Name (line 2)

Name (line 1) **Hercules Country Club, Inc., a Delaware corporation**

**Execution Date**  
**Month Day Year**  
**11/14/00**

Name (line 2)

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 1)

Name (line 2)

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Address (line 3)     
City State/Country Zip Code

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**Patent Application Number(s)**

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)** ☒ **Mark if additional names of conveying parties attached**  
Enter Additional Conveying Party

Name (line 1) Hercules Euro Holdings, LLC, a Delaware limited liability company

**Execution Date**  
**Month Day Year**

11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) Hercules International Limited, L.L.C., a Delaware limited liability company

11/14/00

Name (line 2)

**Execution Date**  
**Month Day Year**

Name (line 1) Hercules Investments, LLC, a Delaware limited liability company

11/14/00

Name (line 2)

**Receiving Party(ies)** ☐ **Mark if additional names of receiving parties attached**  
Enter Additional Receiving Party

Name (line 1)

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**Patent Application Number(s)**

**Patent Number(s)**

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

**Conveying Party(ies)**



Mark if additional names of conveying parties attached

Enter Additional Conveying Party

Name (line 1) Hispan Corporation, a Delaware corporation

Execution Date  
Month Day Year

11/14/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**



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Patent Application Number(s)

Patent Number(s)



NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
PATENTS

United States Patent and Trademark Office

Gentlemen:

Please be advised that pursuant to the Security Agreement dated as of November 14, 2000 (the "Security Agreement") by and among the Obligors party thereto (each an "Obligor" and collectively, the "Obligors") and Bank of America, N.A., as Collateral Agent (the "Agent") for the Secured Parties referenced therein (the "Secured Parties"), each of the undersigned Obligors has granted a continuing security interest in and continuing lien upon, the patents and patent applications to the extent owned by such Obligor and shown on the attached Schedule A to the Collateral Agent for the ratable benefit of the Secured Parties:

The Obligors and the Collateral Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

Very truly yours,

**HERCULES INCORPORATED,**

a Delaware corporation

**HERCULES CREDIT, INC.,**

a Delaware corporation

**HERCULES FLAVOR, INC.,**

a Delaware corporation

**WSP, INC.,**

a Delaware corporation

**AQUALON COMPANY,**

a Delaware partnership

**HERCULES FINANCE COMPANY,**

a Delaware partnership

**FIBERVISIONS, L.L.C.,**

a Delaware limited liability company

**FIBERVISIONS INCORPORATED,**

a Delaware corporation

**FIBERVISIONS PRODUCTS, INC.,**

a Georgia corporation

**HERCULES INTERNATIONAL LIMITED,**

a Delaware corporation

**BETZDEARBORN INC.,**

a Pennsylvania corporation

**BETZDEARBORN EUROPE, INC.,**

a Pennsylvania corporation

**D R C LTD.,**

a Delaware corporation

**BL TECHNOLOGIES, INC.,**

a Delaware corporation

**BLI HOLDINGS CORP.,**

a Delaware corporation

**HERCULES SHARED SERVICES CORPORATION,**

a Delaware corporation

**BETZDEARBORN INTERNATIONAL, INC.,**

a Pennsylvania corporation

**ATHENS HOLDINGS, INC.,**

a Delaware corporation

[signature pages continue]

**BETZDEARBORN CHINA, LTD.,**  
a Delaware corporation  
**BL CHEMICALS INC.,**  
a Delaware corporation  
**CHEMICAL TECHNOLOGIES INDIA, LTD.,**  
a Delaware corporation  
**COVINGTON HOLDINGS, INC.,**  
a Delaware corporation  
**EAST BAY REALTY SERVICES, INC.,**  
a Delaware corporation  
**FIBERVISIONS, L.P.,**  
a Delaware partnership  
**HERCULES CHEMICAL CORPORATION,**  
a Delaware corporation  
**HERCULES COUNTRY CLUB, INC.,**  
a Delaware corporation  
**HERCULES EURO HOLDINGS, LLC,**  
a Delaware limited liability company  
**HERCULES INTERNATIONAL LIMITED, L.L.C.,**  
a Delaware limited liability company  
**HERCULES INVESTMENTS, LLC,**  
a Delaware limited liability company  
**HISPAN CORPORATION,**  
a Delaware corporation

By: Israel J. Floyd  
Name: Israel J. Floyd  
Title: Duly Authorized Representative  
for each of the foregoing

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Collateral Agent


By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**BETZDEARBORN CHINA, LTD.,**  
a Delaware corporation  
**BL CHEMICALS INC.,**  
a Delaware corporation  
**CHEMICAL TECHNOLOGIES INDIA, LTD.,**  
a Delaware corporation  
**COVINGTON HOLDINGS, INC.,**  
a Delaware corporation  
**EAST BAY REALTY SERVICES, INC.,**  
a Delaware corporation  
**FIBERVISIONS, L.P.,**  
a Delaware partnership  
**HERCULES CHEMICAL CORPORATION,**  
a Delaware corporation  
**HERCULES COUNTRY CLUB, INC.,**  
a Delaware corporation  
**HERCULES EURO HOLDINGS, LLC,**  
a Delaware limited liability company  
**HERCULES INTERNATIONAL LIMITED, L.L.C.,**  
a Delaware limited liability company  
**HERCULES INVESTMENTS, LLC,**  
a Delaware limited liability company  
**HISPAN CORPORATION,**  
a Delaware corporation

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
for each of the foregoing

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Collateral Agent

By:   
Name: DONALD J. CHIN  
Title: MANAGING DIRECTOR



Hercules Patents World-wide By Country - United States  
Date of Report: 13NO2000

Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt	Tax Dt	Exp Dt	Owner:Hercules Incorporated
4666	US	G		30AP1996	5512616	30OC2003	31MY2014		Owner:Hercules Incorporated
Case: PODLAS(TJ) 12									
Attorney:DE									
Title:JOINT COMPOUND THICKENER COMPRISING (1) UNBORATED									
4670	US	G		04JE1996	5522794	04DE2003	16JE2014		Owner:Hercules Incorporated
Case: EWALL(R) 1									
Attorney:MG									
Title:WOUND TREATMENT BY APPLYING SEQUENTIALLY DRESSINGS THAT ARE									
4671	US	G		17SE1996	5556375	17MR2004	16JE2014		Owner:Hercules Incorporated
Case: EWALL(R) 2									
Attorney:MG									
Title:ISLAND WOUND DRESSING COMPRISING FENESTRATED BASE LAYER,									
4672	US	G		04MR1997	5607388	04SE2004	16JE2014		Owner:Hercules Incorporated
Case: EWALL(R) 3									
Attorney:MG									
Title:ISLAND WOUND DRESSING HAVING MULTIPLE COVER SHEETS									
4674	US	G		06MY1997	5627269	06NO2000	22JE2014		Owner:Hercules Incorporated
Case: HERAK(DC) & HOGLEN(JJ) 1									
Attorney:DE									
Title:RECOVERY OF SOLUBLE POLYSACCHARIDE (PECTIN, CARRAGEENAN) VIA									
4677C	US	C	G	28NO1995	5470742	28MY2003	28NO2012		Owner:Hercules Incorporated
Case: BULL(A), HARDMAN(DJ), SALLIS(P Attorney:MDK									
Title:SELECTIVE DEHALOGENATION OF NITROGEN FREE ORGANOHALOGEN									
4686	US	G		16DE1997	5698480	16JE2001	16DE2014		Owner:Hercules Incorporated
Case: GEIMAN(JD), GUPTA(RK), KOZULLA(R Attorney:MDK									
Title:TEXTILE STRUCTURES COMPRISING LOW-MELTING LINEAR									
4688	US	G		26MR1996	5502160	26SE2003	03AU2014		Owner:Hercules Incorporated
Case: MODRAK(JP) 7									
Attorney:MDK									
Title:POLYOLEFIN-POLYESTER ALLOY FIBERS AND THEIR USE IN HOT-MIX									
4689	US	G		15AU1995	5441812	15FE2003	03AU2014		Owner:Hercules Incorporated
Case: MODRAK(JP) 8									
Attorney:MDK									
Title:OLEOPHILIC STAPLE FIBERS TREATED WITH ANTISTAT, USEFUL IN									

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	Owner
4698D	US	D	G	04JUL1995	5430200	04JA2003	31DE2012	Owner:Hercules Incorporated
Case: HOOD(HE) 7 (6) Title:PRODUCING PHENOL BY CLEAVAGE OF CUMENE HYDROPEROXIDE AND Attorney:MG Business Unit:DEV								
4699	US	G	G	17SE1996	5556589	17MR2004	07SE2014	Owner:Hercules Incorporated
Case: SIBAL(S) 1 Title:SPIN PACK ASSEMBLY FOR GEOMETRICALLY VARIED MULTICOMPONENT Attorney:MDK Business Unit:TEX								
4704	US	G	G	12NO1996	5574081	12MY2004	11OC2014	Owner:Hercules Incorporated
Case: KROON(G) 3 Title:PAINT INCORPORATING CLAY PIGMENT, LATEX BINDER AND Attorney:DE Business Unit:AQA								
4706C	US	C	G	18JUL1995	5433776	18JA2003	18JUL2012	Owner:Hercules Incorporated
Case: DASGUPTA(SP) 10 (6) Title:STABLE AQUASOL OF POSITIVELY CHARGED COLLOIDAL SILICA, Attorney:IGS Business Unit:PCH								
4709	US	G	G	26MR1996	5502140	26SE2003	19OC2014	Owner:Hercules Incorporated
Case: DAUGHENBAUGH(NE), GOODFELLOW(D Attorney:ROB Title:RESINS FROM DICYCLOPENTADIENE BASED DIOLEFIN AND VINYL Business Unit:RSN								
4710C	US	MC	G	02JUL1996	5531727	02JA2004	26DE2010	Owner:Hercules Incorporated
Case: COHEN(RR) & ENGLE(EJ) 4 (1-2-3 Attorney:MDK Title:NONWOVEN COVERSTOCK FOR FLUID-ABSORBING ARTICLE HAVING FLOW Business Unit:TEX								
4722	US	G	G	06AU1996	5543446	06FE2004	23NO2014	Owner:Hercules Incorporated
Case: RODRIGUEZ(W) 1 Title:TERPOLYMER OF (METH)ACRYLAMIDE, ETHYLENICALLY UNSATURATED Attorney:MDK Business Unit:PCH								
4723	US	G	G	23AP1996	5510004	23OC2003	01DE2014	Owner:Hercules Incorporated
Case: ALLEN(AJ) 1 Title:DIALYLAZETIDINIUM POLYMERS HAVING LOW AOX CONCENTRATION AS Attorney:MFS Business Unit:PCH								
4727	US	G	G	25MR1997	5614597	25SE2004	14DE2014	Owner:Hercules Incorporated
Case: BOWER(BK) 9 Title:PREPARING WET STRENGTH RESIN BY TREATING Attorney:IGS Business Unit:PCH								

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt	Tax Dt	Exp Dt	Owner
4728D	US	D	G	10DE1996	5582667	10JE2004	10DE2013		Owner:Hercules Incorporated
Case: GUPTA(RK) & WILLIAMS(JR) 2 (1) Attorney:MDK Business Unit:TEX									
Title:PREPARATION OF MULTICONSTITUENT FIBERS OF TWO IMMISCIBLE									
4729C	US	C	G	16MR1999	5882562	16SE2002	19DE2014		Owner:Hercules Incorporated
Case: KOZULLA(RE) 10-12 Attorney:MDK Business Unit:TEX									
Title:MAKING HIGH STRENGTH FIBER BY EXTRUDING POLYMER WITH BROAD									
4734	US	G	G	25NO1997	5690961	25MY2001	22DE2014		Owner:Hercules Incorporated
Case: NGUYEN(TT) 7 Attorney:MFS Business Unit:MPD									
Title:ACIDIC POLYSACCHARIDES (HYALURONIC ACID) CROSSLINKED WITH									
4735X	US	X	G	07MR2000	6033526	07SE2003			Owner:Hercules Incorporated
Case: EHRHARDT(SM) & EVANS(DB) 3 (1) Attorney:MSM Business Unit:PCH									
Title:NEUTRAL-TO-ALKALINE PAPER SIZING WITH COMPOSITION OF ROSIN,									
4741	US	G	G	06OC1998	5817900	06AP2002	01FE2016		Owner:Hercules Incorporated
Case: BERREVOETS(E) & VAN DRONGELEN( Attorney:ROB Business Unit:RSN									
Title:LIGHTENING COLOR OF NONCRYSTALLINE HYDROCARBON RESIN HAVING									
4744	US	G	G	12NO1996	5573721	12MY2004	16FE2015		Owner:Hercules Incorporated
Case: GILLETTE(PC) 9 Attorney:MG Business Unit:DEV									
Title:SYSTEM FOR PRODUCING THREE-DIMENSIONAL OBJECTS FROM REACTIVE									
4745C	US	C	G	30JA1996	5487943	30JL2003	19AP2013		Owner:Hercules Incorporated
Case: KOZULLA(RE) 11 (8) Attorney:MDK Business Unit:TEX									
Title:MULTICONSTITUENT FIBER OF CONTINUOUS LLDPE PHASE AND									
4746	US	G	G	04AU1998	SIR H1743	04FE2002	17MR2015		Owner:Hercules Incorporated
Case: GILES(GR), GRAVES(HK), MILLS(J Attorney:ROB Business Unit:PCH									
Title:METHOD AND APPARATUS FOR AUTOMATIC MONITORING OF INVENTORY									
4753D	US	D	G	09MR1999	5879814	09SE2002	09MR2016		Owner:Hercules Incorporated
Case: BOTTORFF(KJ) 2 Attorney:MDK Business Unit:PCH									
Title:2-OXETANONE ALKALINE SIZING AGENTS MADE FROM LINOLEIC ACID									

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	Owner
4755C	US	C	G	10DE1996	5582904	10JE2004	07SE2014	Owner:Hercules Incorporated
Case: HARRINGTON(JH) 8 (2-3-6-7) Attorney:MDK								
Title:REWITTING NONWOVEN POLYOLEFIN MAERIAL INCORPORATING								
4756C	US	C	G	30AP1996	5512091	30OC2003	30AP2013	Owner:Hercules Incorporated
Case: STEINER(CA) 2 (1) Attorney:DE								
Title:HYDROGELS BASED ON HYDROPHOBICALLY MODIFIED HYDROXYETHYL								
4757C	US	C	G	13FE1996	5491214	13AU2003	26MR2013	Owner:Hercules Incorporated
Case: DAUGHENBAUGH(NE) & GOODFELLOW( Attorney:ROB								
Title:PROCESS FOR LIGHTENING AND PREPARING LIGHT COLORED								
4758	US	G		10MR1998	5725731	10SE2001	08MY2015	Owner:Hercules Incorporated
Case: BRUNGARDT(CL), GAST(JC) & ZHAN Attorney:MDK								
Title:2-OXETANONE LIQUID ALKALINE SIZE FOR PAPER COMPRISING								
4760	US	G		11FE1997	5601861	11AU2004	30MY2015	Owner:Hercules Incorporated
Case: GERRISH(TC), HIGGINS(C) & KRES Attorney:DE								
Title:METHOD AND COMPOSITIONS FOR INHIBITING OIL								
4761C	US	C	G	08JL1997	5645757	08JA2001	08JL2014	Owner:Hercules Incorporated
Case: CLASS(JB) 19 (10-13-16) Attorney:MDK								
Title:PREMIX COMPOSITION COMPRISING DIMERCAPTOTHIAZOLE AND								
4762C	US	MC	G	10SE1996	5554437	10MR2004		Owner:Hercules Incorporated
Case: GUPTA(RK), KOZULLA(RE) & LEGAR Attorney:MDK								
Title:GAMMA-STERILIZABLE NONWOVEN FABRIC OF CARDABLE								
4764C	US	C	G	11NO1997	5686537	11MY2001	11NO2014	Owner:Hercules Incorporated
Case: CLASS(JB) 20 (10-13) Attorney:MDK								
Title:PROCESS OF REDUCING EFFECTS OF MOISTURE DURING STORAGE &								
4765D	US	D	G	30JL1996	5540953	30JA2004	30JL2013	Owner:Hercules Incorporated
Case: HARRINGTON(JH) 10 (4-5) Attorney:MDK								
Title:PROCESS OF MAKING THERMOBONDABLE FABRIC COMPRISING								

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt	Tax Dt	Exp Dt	Owner:Hercules Incorporated
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4767D	US	D	G	15OC1996	5564856	15AP2004	03AU2014		Owner:Hercules Incorporated
Case: MODRAK(JP) 10 (7)									
Attorney:MDK									
Title:FIBER-REINFORCED PAVEMENT COMPRISING HOT-MIX PAVEMENT AND									
4769D	US	D	G	26NO1996	5578168	26MY2004	26NO2013		Owner:Hercules Incorporated
Case: BURDICK(CL) & ECHT(EC) 2 (1)									
Attorney:DE									
Title:METHOD OF USING AQUEOUS POLY(ETHYLENE OXIDE) SUSPENSION									
4772	US	G		12AU1997	5656733	12FE2001	07JE2015		Owner:Hercules Incorporated
Case: SUCHANEC(RR) 1									
Attorney:ROB									
Title:RESINOUS COMPOSITION COMPRISING LIGNIN AND POLYMERIZED ROSIN									
4773D	US	D	G	14AP1998	5739239	14OC2001	14AP2015		Owner:Hercules Incorporated
Case: DAUGHENBAUGH(NE) GOODFELLOW(DG) Attorney:ROB									
Title:PROCESS FOR PREPARING A HYDROCARBON RESIN BY THERMAL									
4776D	US	D	G	06MY1997	5626719	06NO2000	06MY2014		Owner:Hercules Incorporated
Case: BALLANTINE(JD) & TANSLEY(AC) 2 Attorney:IGS									
Title:PROCESS FOR MAKING PAPER BOARD SIZING FOR CONSUMABLE LIQUID									
4777D	US	D	G	01JL1997	5644021	01JA2001	23NO2014		Owner:Hercules Incorporated
Case: MASLANKA(WW) 16 (12-13-14-15) Attorney:IGS									
Title:AQUEOUS COMPOSITION COMPRISING CATIONIC									
4778C	US	C	G	27MY1997	5633300	27NO2000	27MY2014		Owner:Hercules Incorporated
Case: DASGUPTA(SP) 11 (7-8-9) Attorney:IGS									
Title:DRY-STRENGTH ENHANCING COMPOSITION COMPRISING ANIONIC GUM									
4779C	US	C	G	07OC1997	RE35621	07AP2001	07OC2014		Owner:Hercules Incorporated
Case: SCHMALZ(AC) 13 (8) Attorney:MDK									
Title:RETENTION OF HYDROPHOBICITY IN POLYOLEFIN FIBER TO BE USED									
4780D	US	D	G	05AU1997	5654088	05FE2001	05AU2014		Owner:Hercules Incorporated
Case: GUPTA(RK), MALLORY(JE), & TAKE Attorney:MDK									
Title:HYGIENIC PRODUCT COMPRISING ONE ABSORBENT LAYER AND AT LEAST									