

01-19-2001

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



101588494

MRO 1/5/01

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

Name (line 1)  Hercules Incorporated, a Delaware corporation

Name (line 2)

Execution Date  
Month Day Year

11/14/00

**Second Party**

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

Name (line 2)

Execution Date  
Month Day Year

11/14/00

**Receiving Party**

☐ Mark if additional names of receiving parties attached

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  North Carolina  28255

City

State/Country

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)

☐ 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.)

01/19/2001 DNGUYEN 00000106 5281378

FOR OFFICE USE ONLY

01 FC:581 1808-00-00

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)

**5281378**

**5292590**

**5318669**

**5393338**

**5456800**

**5288348**

**5341103**

**5177163**

**5431994**

*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

*Steven D. Thomas*

Signature

*January 2, 2001*

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

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)**


5674358

5371305

5324531

5330457

5620727

5534340

5338406

5629080

5407475

5334177

6054511

5554441

5257982

5545481

RE34904

**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)

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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**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)**


5391670	5470640	5411693
5393812	6143346	5502091
5403426	6025311	5554435
5522904	5685815	5714552
5494509	5525664	5525738

**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 Products, Inc., a Georgia corporation**

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

**11/14/00**

Name (line 2)

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

Name (line 1) **Hercules International Limited, a Delaware corporation**

**11/14/00**

Name (line 2)

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

Name (line 1) **Betzdearborn 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)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
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domestic representative  
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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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Zip Code

Name (line 1)

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Name (line 2)

Address (line 1)

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Address (line 3)

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**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)**


5656699	5683809	
5484952		
5521234		
5721048		
5485662		

**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**

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

**11/14/00**

Name (line 2)

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

State/Country

Zip Code

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) **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

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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

Execution Date  
Month Day Year

11/14/00

Name (line 2)

Execution Date  
Month Day Year

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

11/14/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) BL Chemicals Inc., 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)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

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Patent Application Number(s)

Patent Number(s)



**RECORDATION FORM COVER SHEET  
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PATENTS ONLY**

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Name (line 1)

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

Name (line 2)

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

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Name (line 2)

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

Name (line 1)

Name (line 2)

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Name (line 1)

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Address (line 3)     
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**Application Number(s) or Patent Number(s)**



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Patent Application Number(s)

Patent Number(s)

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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)

Execution Date  
Month Day Year

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

11/14/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Hercules Country Club, Inc., 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)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Name (line 2)

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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) 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)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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Name (line 2)

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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)

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

**Receiving Party(ies)**



Mark if additional names of receiving parties attached

Enter Additional Receiving Party

Name (line 1)

Name (line 2)

Address (line 1)

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City

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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: Ismael G. Floyd  
Name: Ismael G. 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.,**  
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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
4469C	US	C	G	25JAL1994	5281378	25JUL2001	25JAL2011	Owner:Hercules Incorporated
Case: KOZULLA(RE) 5 (1) Attorney:MDK Title:MAKING HIGH STRENGTH MELT SPUN POLYOLEFIN FIBER BY								
4470	US	G	G	28FEL1995	5393338	28AU2002	30DE2012	Owner:Hercules Incorporated
Case: PUDNEY(IA), STUBBS(BM) & WELCH Attorney:IGS Title:ROSIN DISPERSION CONTAINING CROSSLINKED CATIONIC RESIN								
4471	US	G	G	23AU1994	5341103	23FE2002	04JE2012	Owner:Hercules Incorporated
Case: DASGUPTA(SP), GINGRICH(BH), MA Attorney:IGS Title:PROCESS AND APPARATUS FOR SIMULTANEOUS GENERATION AND								
4477P	US	P	G	08MR1994	5292590	08SE2001	16MY2011	Owner:Hercules Incorporated
Case: BRODSKY(GI), KLOSIEWICZ(DW) & Attorney:RVJ Title:TUBELESS TIRE COMPRISING PHENOLIC RESIN-CONTAINING RUBBER								
4483	US	G	G	10OC1995	5456800	10AP2003	19JL2013	Owner:Hercules Incorporated
Case: BALLANTINE(JD) & TANSLEY(AC) 1 Attorney:IGS Title:PAPER BOARD SIZING SYSTEM INCORPORATING THERMOSETTING RESIN								
4486D	US	D	G	05JA1993	5177163	05JL2004	24AP2010	Owner:Hercules Incorporated
Case: DAUGHENBAUGH(NE) & ROSNER(MJ) Attorney:JWP Title:METHOD OF PREPARING LIGHT-COLORED TACKIFIER RESINS BASED ON								
4488P	US	P	G	07JE1994	5318669	07DE2001	23DE2011	Owner:Hercules Incorporated
Case: DASGUPTA(SP) 8 (7) Attorney:IGS Title:ENHANCEMENT OF PAPER DRY STRENGTH WITH (1) ANIONIC GUM								
4495C	US	C	G	22FE1994	5288348	22AU2001	22FE2011	Owner:Hercules Incorporated
Case: MODRAK(JP) 3 (2) Attorney:MSM Title:METHOD OF MAKING HIGH LOFT NONWOVENS WITH LIGHTLY BONDED								
4497C	US	C	G	11JL1995	5431994	11JA2003	11JL2012	Owner:Hercules Incorporated
Case: KOZULLA(RE) 6 (1-4) Attorney:MDK Title:NONWOVEN BONDED FABRIC MADE FROM CORE/SHEATH BICOMPONENT								

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	Owner
4499C	US	C	G	07OC1997	5674358	07AP2001	07OC2014	Owner:Hercules Incorporated
Case: ESPY(HH) 13 (10) Attorney:IGS Business Unit:PCH								
Title:REPULPING OF PAPER AND PAPERBOARD USING WATER-SOLUBLE								
4500C	US	C	G	19JUL1994	5330457	19JA2002	30SE2011	Owner:Hercules Incorporated
Case: COHEN(RR) 2 (1) Attorney:MDK Business Unit:TEX								
Title:ABSORBENT PRODUCTS WITH MULTIPLE ADJACENT CORE ZONES								
4501C	US	C	G	16AU1994	5338406	16FE2002	16AU2011	Owner:Hercules Incorporated
Case: SMITH(DC) 3 (1-2) Attorney:IGS Business Unit:PCH								
Title:PAPERMAKING USING UNBLEACHED PULP CONTAINING ANIONIC								
4514P	US	MP	G	02AU1994	5334177	02FE2002	30SE2011	Owner:Hercules Incorporated
Case: COHEN(RR) 3 (1-2) Attorney:MDK Business Unit:TEX								
Title:ABSORBENT PRODUCTS WITH MULTIPLE ADJACENT CORE ZONES								
4521C	US	C	G	02NO1993	5257982	02MY2001	26DE2010	Owner:Hercules Incorporated
Case: COHEN(RR) & ENGLE(EJ) 2 (1) Attorney:ROB Business Unit:TEX								
Title:MULTILAYER NONWOVEN COVERSTOCK HAVING FLOW CONTROL								
4544	US	G	G	06DE1994	5371305	06JE2002	31DE2012	Owner:Hercules Incorporated
Case: HOOD(HE) 6 Attorney:MG Business Unit:DEV								
Title:PRODUCING PHENOL BY ACID-CATALYZED CLEAVAGE OF CUMENE								
4548C	US	C	G	15AP1997	5620727	15OC2004	15AP2014	Owner:Hercules Incorporated
Case: CAROSINO(LE) & GERRISH(TC) 3 ( Attorney:DE Business Unit:FFI								
Title:METHOD OF PREPARING LOW OIL RETENTION FRIED FOODS FROM								
4550P	US	P	G	13MY1997	5629080	13NO2000	13MY2014	Owner:Hercules Incorporated
Case: GUPTA(RK), MALLORY(JE) & TAKEU Attorney:MDK Business Unit:TEX								
Title:COMPOSITION AND PROCESS FOR THERMOBONDABLE, BICOMPONENT								
4551C	US	MC	G	25AP2000	6054511	25OC2003	03AP2009	Owner:Hercules Incorporated
Case: ANGERER(JD), MODI(JJ) & SZAFRA Attorney:DE Business Unit:AQA								
Title:COMPOSITION OF HIGH SOLIDS, LOW VISCOSITY CATIONIC AND								

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt	Tax Dt	Exp Dt	Owner
4557P	US	P	G	13AU1996	5545481	13FE2004	13AU2013		Owner:Hercules Incorporated
Case: HARRINGTON(JH) 5 (4)									
Attorney:MDK									
Title:PROCESS OF MAKING HYDROPHOBIC FIBER TREATED WITH									
4560C	US	C	G	28JE1994	5324531	28DE2001	28JE2011		Owner:Hercules Incorporated
Case: HOFFLER(AC), SLEAP(JA) & TRUDS Attorney:DE									
Title:FAT SIMULATING, NONSPHEROIDALLY SHAPED, HEAT-STABLE									
4568	US	G	G	09JL1996	5534340	09JA2004	29OC2013		Owner:Hercules Incorporated
Case: GUPTA(RK) & LEGARE(RJ) 1 Attorney:MDK									
Title:NONWOVEN FABRIC MADE FROM CARDED FINE HYDROPHOBIC POLYOLEFIN									
4570	US	G	G	18AP1995	5407475	18OC2002	08AP2013		Owner:Hercules Incorporated
Case: LUKACH(CA) & ZAPICO(J) 1 Attorney:DE									
Title:AQUEOUS SUSPENSION OF HYDROXYETHYL CELLULOSE CONTAINING AT									
4574	US	G	G	10SE1996	5554441	10MR2004	10SE2013		Owner:Hercules Incorporated
Case: GUPTA(RK) & WILLIAMS(JR) 1 Attorney:MDK									
Title:THERMOBONDABLE MULTICONSTITUENT FIBERS OF TWO IMMISCIBLE									
4586	US	R	G	11AP1995	RE34904	09DE2003	30OC2009		Owner:Hercules Incorporated
Case: JUST(EK), MAJEWICZ(TG) & SAU(A Attorney:DE									
Title:ALKYLARYL HYDROPHOBICALLY MODIFIED NONIONIC CELLULOSE ETHERS									
4589	US	G	G	21FE1995	5391670	21AU2002	09AU2013		Owner:Hercules Incorporated
Case: BISWAS(A) & KLOSIEWICZ(DW) 1 Attorney:JWP									
Title:RESIN OBTAINED BY CATALYTIC ALKYLATION OF POLY-UNSATURATED									
4596	US	G	G	28FE1995	5393812	28AU2002	31AU2013		Owner:Hercules Incorporated
Case: HALEY(CS) & SANCHEZ(WL) 1 Attorney:MDK									
Title:FLAME RETARDANT, LIGHT STABLE POLYOLEFIN COMPOSITION									
4597C	US	C	G	04AP1995	5403426	04OC2002	06NO2012		Owner:Hercules Incorporated
Case: JOHNSON(RW) & THEYSON(TW) 3 (1 Attorney:MDK									
Title:MODIFYING POLYOLEFIN FIBER WITH CERTAIN WATER-SOLUBLE ESTERS									

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt	Tax Dt	Exp Dt	Owner
4608	US	G		04JE1996	5522904	04DE2003	13OC2013		Owner:Hercules Incorporated
Case: CAIRNS(DS), DANIEL(IM), MORAN(J Attorney:MDK Business Unit:DIS									
Title:COMPOSITE FEMORAL IMPLANT HAVING INCREASED NECK STRENGTH									
4609	US	G		27FE1996	5494509	27AU2003	29OC2013		Owner:Hercules Incorporated
Case: KRUYTHOFF(D) & VAN WAVEREN (AH Attorney:DE Business Unit:AQA									
Title:PAPER COATING COMPOSITION COMPRISING PIGMENT, BINDER,									
4610D	US	D	G	28NO1995	5470640	28MY2003	28NO2012		Owner:Hercules Incorporated
Case: MODRAK(JP) 6 (2-3) Attorney:MDK Business Unit:TEX									
Title:HIGH LOFT NONWOVENS WITH LIGHTLY BONDED FACE WEB(S) HEAVILY									
4616	US	G		07NO2000	6143346	07MY2004	07NO2017		Owner:Hercules Incorporated
Case: GLAHN(PE) 1 Attorney:MFS Business Unit:FFI									
Title:PECTIN COMPOSITIONS WITH D.E. ABOVE 60% AND SPECIFIED									
4622	US	G		15FE2000	6025311	15AU2003			Owner:Hercules Incorporated
Case: CLARKE(MT) & YOUNG(T-S) 1 Attorney:DE Business Unit:AQA									
Title:STABLE FLUID SUSPENSION OF WATER-SOLUBLE POLYSACCHARIDE IN									
4623	US	G		11NO1997	5685815	11MY2001	11NO2014		Owner:Hercules Incorporated
Case: BOTTORFF(KJ), BRUNGARDT(CL), DUM Attorney:MDK Business Unit:PCH									
Title:FINE PAPER CONTAINING 2-OXETANONE ALKALINE SIZING AGENT, NOT									
4629	US	G		11JE1996	5525664	11DE2003	02DE2014		Owner:Hercules Incorporated
Case: MILLER(AJ) & STUBBS(BM) 2 Attorney:IGS Business Unit:PCH									
Title:WET STRENGTH RESIN INCORPORATING BOTH A HYDROXYAZETIDINIUM									
4639	US	G		02MY1995	5411693	02NO2002	05JA2014		Owner:Hercules Incorporated
Case: WUST(CJ) 1 Attorney:MDK Business Unit:TEX									
Title:PROCESS FOR HIGH SPEED SPINNING OF MULTICOMPONENT FIBERS									
4641D	US	D	G	26MR1996	5502091	26SE2003	26MR2013		Owner:Hercules Incorporated
Case: DASGUPTA(SP) 9 (7-8) Attorney:IGS Business Unit:PCH									
Title:PAPER DRY-STRENGTH ENHANCING COMPOSITION COMPRISING (1)									

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Docket No.	Ctry	Types	Status	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt	Owner:Hercules Incorporated
4642P	US	P	G	10SE1996	5554435	10MR2004	31JA2014	Owner:Hercules Incorporated
Case: GUPTA(RK) & LEGARE(RJ) 3 (2) Attorney:MDK Business Unit:TEX								
Title:COMPOSITE NONWOVEN PRODUCT COMPRISING LAYER OF MELTBLOWN								
4643C	US	C	G	03FE1998	5714552	03AU2001	03FE2015	Owner:Hercules Incorporated
Case: BOWER(BK) 8 (5-6-7) Attorney:IGS Business Unit:PCH								
Title:MAKING WATER-SOLUBLE EPICHLOROHYDRIN MODIFIED POLYAMINES AND								
4644P	US	P	G	11JE1996	5525738	11DE2003	11JE2013	Owner:Hercules Incorporated
Case: ZHANG(JJ) 3 (1) Attorney:IGS Business Unit:PCH								
Title:PREPARING ALKYL KETENE DIMER(S) BY DEHYDROHALOGENATION OF								
4652	US	G	G	12AU1997	5656699	12FE2001	12AU2014	Owner:Hercules Incorporated
Case: DASGUPTA(SP) & ESPY(HH) 2 Attorney:IGS Business Unit:PCH								
Title:DRAINAGE AID FOR PAPER MANUFACTURE COMPRISING OLIGOMERIC,								
4653	US	G	G	16JA1996	5484952	16JL2003	05MY2014	Owner:Hercules Incorporated
Case: NOLAN(TF) & STUBBS(BM) 1 Attorney:MDK Business Unit:PCH								
Title:MAKING ALKYL KETENE DIMER BY DEHYDROHALOGENATION OF								
4655C	US	C	G	28MY1996	5521234	28NO2003	28MY2013	Owner:Hercules Incorporated
Case: BROWN(RG), BURDICK(CL) & VANDE Attorney:DE Business Unit:AQA								
Title:CONTINUOUS PRODUCTION OF PIGMENTED AQUEOUS LATEX COATING								
4659C	US	MC	G	24FE1998	5721048	24AU2001	30MY2009	Owner:Hercules Incorporated
Case: SCHMALZ(AC) 12 (9-11) Attorney:MDK Business Unit:TEX								
Title:RETENTION OF HYDROPHOBICITY IN POLYOLEFIN FIBER FOR								
4663	US	G	G	23JA1996	5485662	23JL2003	29AP2014	Owner:Hercules Incorporated
Case: HODGES(RW) & SIBAL(S) 1 Attorney:MDK Business Unit:TEX								
Title:FIBER CRIMPING APPARATUS AND METHOD INCLUDING DOCTOR BLADES								
4665	US	G	G	04NO1997	5683809	04MY2001	04NO2014	Owner:Hercules Incorporated
Case: FREEMAN(WJ), GUPTA(RK), HARRIN Attorney:MDK Business Unit:TEX								
Title:FILMLESS HYDROPHOBIC BARRIER FABRIC FOR LEG-CUFF, BACKING								