FORM PTO-1619A	01 -23 -2001	U.S. Department of Commerce
Expires 06/30/99	: (CORROL FIRE) CORROL (2001 02220 10286 1180) (2001 1286 1280)	Patent and Trademark Office
OMB 0651-0027		PATENT
1.5.01	101591119	
TO: The Commissioner of Patents and Trade		document(s) or conv(ies)
Submission Type	Conveyance Type	rocument(s) or copy(ics).
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Conveying Party(ies) Mark i	f additional names of conveying parties att	ached
Conveying Larty(ics)	additional names of conveying parties at	Execution Date
		Month Day Year
Name (line 1) Hercules Incorporated,	a Delaware corporation	11/14/00
Name (line 2)		
(11112)		
Second Party		Execution Date
	Dilamanation	Month Day Year
Name (line 1) Hercules Credit, Inc., a	Delaware corporation	11/14/00
Name (line 2)		
Receiving Party Mark i	f additional names of receiving parties atta	ached If document to be
		recorded is an assignment
Name (line 1) Bank of America, N	A., as Collateral Agent	and the receiving party is not domiciled in the
	7., 4.2	United States, an
Name (line 2)		appointment of a domestic
Address (line 1) 101 N. Tryon Street		representative should be attached. (Designation
		must be a separate
Address (line 2) Independence Cente	r, 15 th Floor	document from Assignment.)
		, assignment,
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)		
1		
Address (line 4) 00000104 5512616	FOR OFFICE USE ONLY	
Public burden reporting for this collection of information in document and gathering the data needed to complete the C	s estimated to average approximately 30 minutes per Cover Sheet Send comments regarding this burden setim	er Sheet to be recorded, including time for reviewing the ate to the U.S. Patent and Trademark Office. Chief
Information Officer Washington D.C. 20231 and to the O	ffice of Information and Regulatory Affairs, Office of Mai	nagement and Budget, Paperwork Reduction Project (0051-
0027), Washington, D.C. 20503. See OMB Information Co RECORD ASSIGNMENT DOCUMENTS TO THIS ADD	llection Budget Package 0651-0027, Patent and Trademar	K ASSIGNMENT PRACTICE. DO NOT SEND REQUESTS TO
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Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1 Expires 06/30, OMB 0651-00	/99	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent I	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 Stre	et			
Address (line 3)	Suite 800				
Address (line 4)	Durham, North Caro	ina 27705			
Pages	Enter the total number of including any attachments	pages of the attached conveyance document.	#		
- •	nber(s) or Patent Numbe her the Patent Application N	(s) Mark if addition with the Patent Number (DO NOT ENTE	nal numbers attached R BOTH numbers for the same property).		
I	Patent Application Number	(s)	Patent Number(s)		
		5512616	5607388 5698480		
		5522794	5627269 5502160		
If this document is being filed together with a <u>new Patent Application</u> , enter the date the patent application was Month Day Year signed by the first named executing inventor.					
Patent Cooperat	ion Treaty (PCT)				
only if a	CT application number U.S. Application Number been assigned.	PCT PCT PCT	PCT PCT		
Number of Prop	erties Enter th	e total number of properties involved.	# 45		
Fee Amount	Fee Am	ount for Properties Listed (37 CFR 3.41):	\$ [1,800.00		
Method of Payment: Enclosed Deposit Account Deposit Account 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					
document Steven	st of my knowledge and belief,	the foregoing information is true and correct and a true authorized, by indicated herein. Signature	ny attached copy is a true copy of the original Date Signed		

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

CONTINUATION PATENTS ONLY				
Conveying Party(ies) Mark if additional names of conveying parties at	tached			
Enter Additional Conveying Party	Execution Date			
Name (line 1) Hercules Flavor, Inc., a Delaware corporation	Month Day Year 11/14/00			
Name (line 2)	Execution Date			
Name (line 1) WSP, Inc., a Delaware corporation	Month Day Year 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 p Enter Additional Receiving Party	If document to be recorded			
Name (line 1)	is an assignment and the receiving party is not domiciled in the United			
Name (line 2)	States, an appointment of a domestic representative			
Address (line 1)	should be attached. (Designation must be a separate document from			
Address (line 2)	Assignment.)			
Address (line 3) City State/Country	Zip Code			
	If document to be recorded			
Name (line 1)	is an assignment and the receiving party is not domiciled in the United			
Name (line 2)	States, an appointment of a domestic representative			
Address (line 1)	should be attached. (Designation must be a separate document from			
Address (line 2)	Assignment.)			
Address (line 3) City State/Country	Zip Code			
Application Number(s) or Patent Number(s) Mark if additional number either the Patent Application Number or the Patent Number (DO NOT ENTER BOX				
Patent Application Number(s)	Patent Number(s)			
5430200	5531727 [5882562			
5556589	5543446 5690961			
5574081	5510004 6033526			
5433776	5614597 5817900			
5502140	5582667 5573721			

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

RECORDATION FORM COVER SHEET CONTINUATION PATIENTS ONLY			
PATENTS ONLY Conveying Party(ies) Mark if additional names of conveying parties attac	hed		
Enter Additional Conveying Party	Execution Date		
Name (line 1) Hercules Finance Company, a Delaware partnership	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)	If document to be recorded is an assignment and the		
Name (line 1)	receiving party is not domiciled in the United		
Name (line 2)	States, an appointment of a domestic representative		
Address (line 1)	should be attached. (Designation must be a separate document from		
Address (line 2)	Assignment.)		
Address (line 3) City State/Country	Zip Code		
City State/Country	If document to be recorded		
Name (line 1)	is an assignment and the receiving party is not domiciled in the United		
Name (line 2)	States, an appointment of a domestic representative		
Address (line 1)	should be attached. (Designation must be a		
Address (line 2)	separate document from Assignment.)		
Address (line 3)			
City State/Country	Zip Code		
Application Number(s) or Patent Number(s) Mark if additional num Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH			
Patent Application Number(s) Pa	tent Number(s)		
5487943	5686537		
SIRH1743 57	725731 5540953		
5879814	5564856		
5582904 56	5578168		
5512091 55	554437 5656733		

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

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

		PATENT	TS ONLY		
Conveying Party(ies		ark if additional nam	es of conveying parties	attached	
Enter Additional Con	veying Party				ition Date h Day Year
Name (line 1)	Fibervisions Products,	Inc., a Georgia c	orporation	11/14/	
Name (line 2)					tion Date h Day Year
Name (line 1)	Hercules International	Limited, a Delav	vare corporation	11/14/	
Name (line 2)					ition Date h Day Year
Name (line 1)	Betzdearborn Inc., a Pe	ennsylvania corp	oration	11/14/	
Name (line 2)					
Receiving Party(ies Enter Additional Rec Name (line 1)		Mark if additi	onal names of receiving	g 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
Name (line 2)					domestic representative should be attached.
Address (line 1)					(Designation must be a separate document from
Address (line 2)					Assignment.)
Address (line 3)	City	State	e/Country	Zip Coo	de
Name (line 1)					If document to be recorded is an assignment and the receiving party is not domiciled in the United
Name (line 2)					States, an appointment of a domestic representative should be attached.
Address (line 1)					(Designation must be a separate document from
Address (line 2)					Assignment.)
Address (line 3)	City	State	e/Country	Zip Co	de
Application Number	(s) or Patent Number(s) her the Patent Application Num	nber or the Patent Nu		I numbers attached BOTH numbers for th	e same property).
Pa	tent Application Number(s)	·		Patent Number(s)
			5739239	5654088	
			5626719		
			5644021		
			5633300		
			RE35621		
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U.S. Department of Commerce Patent and Trademark Office PATENT

RECORDATION FORM COVER SHEET CONTINUATION	
PATENTS ONLY	
Conveying Party(ies) Mark if additional names of conveying parties attached Enter Additional Conveying Party	
	Execution Date Month Day Year
Name (line 1) Betzdearborn Europe, Inc., a Pennsylvania corporation	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)	Execution Date Month Day Year
Name (line 1) BL Technologies, Inc., a Delaware corporation	11/14/00
Name (line 2)	
Desiring Destriction	44
Receiving Party(ies) Mark if additional names of receiving parties a Enter Additional Receiving Party	If document to be recorded
Name (line 1)	is an assignment and the receiving party is not domiciled in the United
Name (line 2)	States, an appointment of a domestic representative
Address (line 1)	should be attached. (Designation must be a
Address (line 2)	separate document from Assignment.)
Address (line 3)	
City State/Country	Zip Code If document to be recorded
Name (line 1)	is an assignment and the receiving party is not
Name (line 2)	domiciled in the United States, an appointment of a domestic representative
Address (line 1)	should be attached. (Designation must be a
Address (line 2)	separate document from Assignment.)
Address (line 3)	
City State/Country	Zip Code
Application Number(s) or Patent Number(s) Mark if additional numbers Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH number)	
Patent Application Number(s) Patent	Number(s)

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

RECORDATION FORM COVER SHEET

CONTINUATION PATENTS ONLY	
Conveying Party(ies) Mark if additional names of conveying parties attached]
Name (line 1) BLI Holdings Corp. a Delaware corporation	Execution Date Month Day Year
= 21 Trotaings corp., a Delamate corporation	11/14/00
Name (line 1) Hercules Shared Services Corporation, a Delawore corporation	Execution Date Month Day Year
refedices 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) Enter Additional Receiving Party Name (line 1) Name (line 2)	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
Address (line 1)	should be attached. (Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country Name (line 1)	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
Name (line 2)	domestic representative should be attached.
Address (line 1)	(Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country	Zip Code
Application Number(s) or Patent Number(s) Mark if additional numbers Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH number)	•
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U.S. Department of Commerce Patent and Trademark Office **PATENT**

RECORDATION FORM COVER SHEET

CONTINUATION PATENTS ONLY	
Conveying Party(ies) Mark if additional names of conveying parties attach	ed
Enter Additional Conveying Party	Execution Date Month Day Year
Name (line 1) Athens Holdings, Inc., a Delaware corporation	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) Enter Additional Receiving Party Name (line 1) Mark if additional names of receiving partie	If document to be recorded is an assignment and the receiving party is not domiciled in the United
Name (line 2)	States, an appointment of a domestic representative
Address (line 1)	should be attached. (Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country Name (line 1)	Zip Code If document to be recorded is an assignment and the receiving party is not domiciled in the United
Name (line 2)	States, an appointment of a domestic representative
Address (line 1)	should be attached. (Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country	Zip Code
Application Number(s) or Patent Number(s) Mark if additional numb Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH)	
Patent Application Number(s) Pat	ent Number(s)

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

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

PATENTS ONLY	
Conveying Party(ies) Mark if additional names of conveying parties attached Enter Additional Conveying Party	ed
Enter Additional Conveying Party	Execution Date Month Day Year
Name (line 1) Chemical Technologies India, Ltd., a Delaware corporation	11/14/00
Name (line 2)	Execution Date Month Day Year
Name (line 1) Covington Holdings, Inc., a Delaware corporation	11/14/00
Name (line 2)	Execution Date Month Day Year
Name (line 1) East Bay Realty Services, Inc., a Delaware corporation	11/14/00
Name (line 2)	
	- ett ala d
Receiving Party(ies)	If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a
Name (line 2)	domestic representative should be attached.
Address (line 1)	(Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country	Zip Code
City State/Country	If document to be recorded
Name (line 1)	is an assignment and the receiving party is not domiciled in the United
Name (line 2)	States, an appointment of a domestic representative
Address (line 1)	should be attached. (Designation must be a
Address (line 2)	separate document from Assignment.)
Address (line 3) City State/Country	Zip Code
Application Number(s) or Patent Number(s)	
	ent Number(s)
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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	PATENT
Conveying Party(ies) Mark if additional names of conveying parties attac	hed
Enter Additional Conveying Party	Execution Date Month Day Year
Name (line 1) Fibervisions, L.P., a Delaware limited partnership	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)	
	J
Receiving Party(ies) Mark if additional names of receiving part Enter Additional Receiving Party	ies attached If document to be recorded is an assignment and the receiving party is not
Name (line 1)	domiciled in the United
Name (line 2)	States, an appointment of a domestic representative should be attached.
Address (line 1)	(Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country	Zip Code If document to be recorded is an assignment and the
Name (line 1)	receiving party is not domiciled in the United
Name (line 2)	States, an appointment of a domestic representative should be attached.
Address (line 1)	(Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country	Zip Code
Application Number(s) or Patent Number(s) Mark if additional num Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH	
	tent Number(s)

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

	RECORDATION FORM COVER SHEET CONTINUATION	
	PATENTS ONLY	
Conveying Party(ies) Enter Additional Convey	Mark if additional names of conveying parties attached	
Emoi ridditional Convey	ing / arty	Execution Date
Name (line 1) He	ercules Euro Holdings, LLC, a Delaware limited liability company	Month Day Year
Name (line 2)		Execution Date
		Month Day Year
	rcules International Limited, L.L.C., a Delaware limited liability company	11/14/00
Name (line 2)		Execution Date Month Day Year
Name (line 1) He	ercules Investments, LLC, a Delaware limited liability company	11/14/00
Name (line 2)		
Receiving Party(ies) Enter Additional Receiv	Mark if additional names of receiving parties atta	iched If document to be recorded
	ving i arty	is an assignment and the receiving party is not
Name (line 1)		domiciled in the United States, an appointment of a
Name (line 2)		domestic representative
Address (line 1)		(Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)		
	City State/Country	Zip Code
		If document to be recorded is an assignment and the
Name (line 1)		receiving party is not domiciled in the United
Name (line 2)		States, an appointment of a domestic representative
Address (line 1)		should be attached. (Designation must be a
Address (line 2)		separate document from Assignment.)
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U.S. Department of Commerce Patent and Trademark Office PATENT

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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Conveying Party(ies)	⊠ ⊠			conveying partie	s attached	
Enter Additional Conve	eying Party					cution Date th Day Year
Name (line 1)	lispan Corporation	, a Delaware	corporation	1	11/14	 }
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Receiving Party(ies) Enter Additional Received	viving Party	☐ Mark	if additional r	names of receivin	g parties attached	If document to be recorded is an assignment and the receiving party is not
Name (line 1)						domiciled in the United States, an appointment of a
Name (line 2)						domestic representative should be attached.
Address (line 1)						(Designation must be a separate document from
Address (line 2)						Assignment.)
Address (line 3)	City		State/Cour	ntev.	Zip C	ode
Name (line 1)	City		State/Cour	шу		If document to be recorded is an assignment and the receiving party is not domiciled in the United
Name (line 2)						States, an appointment of a domestic representative should be attached.
Address (line 1)						(Designation must be a separate document from
Address (line 2)						Assignment.)
Address (line 3)	City		State/Cour	ntry	Zip C	ode
Application Number(Enter either	s) or Patent Number(s) or the Patent Application	Number <u>o</u> r the Po			al numbers attached BOTH numbers for t	he same property).
Pate	ent Application Number	er(s)			Patent Number	(s)
		L	→			

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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

DRCLTD.,

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 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

Name: DONALD J. CHIN

Title: MANAGING DIRECTOR

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

	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated
Tax Dt Exp Dt	03 31MY2014 it:AQA	03 16JE2014 it:MPD	04 16JE2014 it:MPD	04 16JE2014 it:MPD	22000 22JE2014 Unit:AQA	03 28NO2012 it:PCH	12001 16DE2014 Unit:TEX	52003 03AU2014 Unit:TEX	12003 03AU2014 Unit:TEX
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Pat No.	5512616 BORATED	996 5522794 ey:MG LLY DRESSINGS	55637 BASE	5607388 R SHEETS	5627269 Bus , CARRAGEENAN)	995 5470742 ey:MDK FREE ORGANOHALOGEN	5698480 K LINEAR	5502160 K R USE IN	5441 TAT,
Grant Dt	30AP1996 55126 Attorney:DE COMPRISING (1) UNBORATED	04JE1996 Attorney:MG SEQUENTIALLY D	G 17SE1996 S Attorney:MG COMPRISING FENESTRATED	04MR1997 Attorney:MG MULTIPLE COVER	4674 G 06MY1997 Case: HERAK(DC) & HOGLEN(JJ) 1 Attorney:DE Title:RECOVERY OF SOLUBLE POLYSACCHARIDE (PECTIN,		US G 16DE1997 5698 GEIMAN(JD), GUPTA(RK), KOZULLA(R Attorney:MDK TEXTILE STRUCTURES COMPRISING LOW-MELTING LINEAR	26MR1996 Attorney:MDK FIBERS AND THEIR	15AU1995 Attorney:MDK TREATED WITH ANTIS
Types Status	THICKENER COME	G APPLYING		4672 US G 04MR1 Case: EWALL(R) 3 Attorn Title:ISLAND WOUND DRESSING HAVING MULTIPLE	US G HOGLEN (JJ) 1 F SOLUBLE POLYSACCE	4677C US C G 28NO: Case: BULL(A), HARDMAN(DJ), SALLIS(P Attori Title:SELECTIVE DEHALOGENATION OF NITROGEN	US ID), GUPTA(RK), KOZULLA(F STRUCTURES COMPRISING	G ALLOY	G FIBERS
	DS DS (TJ) 12 T COMPOUND	4670 US Case: EWALL(R) 1 Title:WOUND TREATMENT BY	4671 US Case: EWALL(R) 2 Title:ISLAND WOUND DRESSING	US EWALL(R) 3 ISLAND WOUND DRE	US HERAK(DC) & HOGI RECOVERY OF SOLU	US LL(A), HARDMAN LECTIVE DEHALC	US IMAN (JD) , GUPT? TILE STRUCTUR	US Case: MODRAK(JP) 7 Title:POLYOLEFIN-POLYESTER	US ORAK(JP) 8 SOPHILIC STAPLE
Docket No.	4666 Case: PODL Title:JOIN	4670 Case: EWA Title:WOU	4671 Case: EWA Title:ISI	4672 Case: EWA Title:ISI	4674 Case: HER Title:REC	4677C Case: Title:	4686 4686 JAA ase: GEIMAN (JD JA itle:TEXTILE S	Y Z688 Case: MODRAK(JP) Title:POLYOLEFIN	Case: MODRAK(JP) Title:OLEOPHILIC

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

	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated
Nxt Tax Dt Exp Dt	04JA2003 Business Unit AND	17MR2004 07SE2014 Business Unit:TEX PONENT	12MY2004 110C2014 Business Unit:AQA	18JA2003 18JL2012 Business Unit:PCH A,	26SE2003 19OC2014 Business Unit:RSN YL	02JA2004 26DE2010 Business Unit:TEX NG FLOW	06FE2004 23NO2014 Business Unit:PCH RATED	230C2003 01DE2014 Business Unit:PCH TION AS	25SE2004 14DE2014 Business Unit:PCH
Grant Dt Pat No.	04JL1995 5430200 Attorney:MG OF CUMENE HYDROPEROXIDE	G 17SE1996 5556589 Attorney:MDK Busin GEOMETRICALLY VARIED MULTICOMPONENT	12NO1996 5574081 Attorney:DE ENT, LATEX BINDER AND	18JL1995 5433776 Attorney:IGS CHARGED COLLOIDAL SILICA,	26MR1996 5502140 D Attorney:ROB BASED DIOLEFIN AND VINYL	02JL1996 5531727 3 Attorney:MDK B1 -ABSORBING ARTICLE HAVING	06AU1996 5543446 Attorney:MDK E, ETHYLENICALLY UNSATURATED	23AP1996 5510004 Attorney:MFS Bus: HAVING LOW AOX CONCENTRATION	25MR1997 5614597 Attorney:IGS BY TREATING
	US D G HOOD(HE) 7 (6) PRODUCING PHENOL BY CLEAVAGE	US SIBAL(S) 1 :SPIN PACK ASSEMBLY FOR	4704 US G 1; Case: KROON(G) 3 Att Title:PAINT INCORPORATING CLAY PIGMENT,	US C G DASGUPTA(SP) 10 (6) STABLE AQUASOL OF POSITIVELY	4709 Case: DAUGHENBAUGH(NE), GOODFELLOW(D Title:RESINS FROM DICYCLOPENTADIENE E	4710C G 02JL1996 5531 Case: COHEN(RR) & ENGLE(EJ) 4 (1-2-3 Attorney:MDK Title:NONWOVEN COVERSTOCK FOR FLUID-ABSORBING ARTICLE	4722 Wase: RODRIGUEZ(W) 1 Lie:TERPOLYMER OF (METH)ACRYLAMIDE,	US G ALLEN(AJ) 1 DIALLYLAZETIDINIUM POLYMERS	US G : BOWER(BK) 9 ::PREPARING WET STRENGTH RESIN
DO	4698D Case: Title	4699 Case: Title	4704 Case: Title:	4706C Case: Title:	4709 Case: Title:	4710C H Case: Tritle:	######################################	Case: Title:	

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

Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	
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Pat No. 5582667 0K Busi TWO IMMMISCIBLE) 5882562 MDK POLYMER WITH	5690961 rs rosslinked	00 6033526 Y:MSM COMPOSITION OF	5817900)B ARBON RESIN	5573721 ECTS FROM	5487943
Grant Dt 10DE1996 -) Attorney:MDK	16MR1999 Attorney: EXTRUDING	4734 US G 25NO1997 5690961 Case: NGUYEN(TT) 7 Attorney:MFS Title:ACIDIC POLYSACCHARIDES (HYALURONIC ACID) CROSSLINKED	~ 1\ ·	4741 G 060C1998 5817900 Case: BERREVOETS(E) & VAN DRONGELEN(Attorney:ROB Title:LIGHTENING COLOR OF NONCRYSTALLINE HYDROCARBON RESIN	4744 US GILLETTE(PC) 9 Attorney:MG Title:SYSTEM FOR PRODUCING THREE-DIMENSIONAL OBJ	30JA1996
Docket No. Ctry Types Status G. Ctry Types Status 4728D	G I FIBER BY	G DES (HYALU	4735X US X G 07MR20 Case: EHRHARDT(SM) & EVANS(DB) 3 (1) Attorne Title:NEUTRAL-TO-ALKALINE PAPER SIZING WITH	G DRONGELEN NONCRYSTA	G THREE-DI	Ö
Ctry Typ US D & WILLIAMS N OF MULTI	C 10-12 STRENGTH	S ACCHARID	& X & EVANS	s (c) & VAN (c) COLOR OF	9 PRODUCING	Ŭ .
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Docket No. 4728D Case: GUPT Title:PREP	4729C US C G Case: KOZULLA(RE) 10-12 Title:MAKING HIGH STRENGTH FIBER	4734 US Case: NGUYEN(TT) 7 Title:ACIDIC POLYS	4735X Case: EHRI Title:NEU	4741 Case: BERI Title:LIG	### ##################################	110

Owner: Hercules Incorporated

Business Unit:TEX

Owner: Hercules Incorporated

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Business Unit: PCH

Title:METHOD AND APPARATUS FOR AUTOMATIC MONITORING OF INVENTORY

#46 US G 04AU1998
Case: GILES(GR), GRAVES(HK), MILLS(J Attorney:ROB

LIE: MULTICONSTITUENT FIBER OF CONTINUOUS LLDPE PHASE AND

Case: KOZULLA(RE) 11 (8)

Attorney: MDK

Title: 2-OXETANONE ALKALINE SIZING AGENTS MADE FROM LINOLEIC ACID

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Owner: Hercules Incorporated

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Business Unit: PCH

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

	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated
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	ey:MDK	Attorney:DE	Attorney:ROB	Attorney:MDK	Attorney:DE
	INCORPORA	LLY MODIFIED HYDROXYETHYL	ARING LIGHT COLORED	E FOR PAPER COMPRISIN	IBITING OIL
Ctry Types Status	C	4756C US C G 30AP1996	4757C US CG 13FE1996 549121	4758 US G 10MR1998 5725731	4760 G 11FE1997
	8 (2-3-6	Case: STEINER(CA) 2 (1) Attorney:DE	Case: DAUGHENBAUGH(NE) & GOODFELLOW(Attorney:ROB	Case: BRUNGARDT(CL), GAST(JC) & ZHAN Attorney:MDK	Case: GERRISH(TC), HIGGINS(C) & KRES Attorney:DE
	OVEN POLY	Title:HYDROGELS BASED ON HYDROPHOBICALLY MODIFIED	Title:PROCESS FOR LIGHTENING AND PREPARING LIGHT COLORED	Title:2-OXETANONE LIQUID ALKALINE SIZE FOR PAPER COMPRISING	Title:METHOD AND COMPOSITIONS FOR INHIBITING OIL
Docket No.	4755C	4756C	4757C	4758	4760
	Case: HARRINGT	Case: STEINER(CA) 2 (1)	Case: DAUGHENB	Case: BRUNGARD'	Case: GERRISH('
	Title:REWITTIN	Title:HYDROGELS BASED O	Title:PROCESS	Title:2-OXETAN	Title:METHOD A

Title:PREMIX COMPOSITION COMPRISING DIMERCAPTOTHIADIAZOLE Title:PROCESS OF MAKING THERMOBONDABLE FABRIC COMPRISING L1e:GAMMA-STERILIZABLE NONWOVEN FABRIC OF CARDABLE GUBE: GUPTA(RK), KOZULLA(RE) & LEGAR Attorney:MDK Title: PROCESS OF REDUCING EFFECTS Case: HARRINGTON (JH) 10 (4-5) Case: CLASS(JB) 19 (10-13-16) **Z**64C US CLASS (JB) 20 (10-13) Haba 4761C Tase: Title: 4762C 4765D 01144 0896

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

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Grant Dt	150C1996 Attorney:MI	OI W	ַ אַרָ	4773D US D G 14AP1998 5739239 Case: DAUGHENBAUGH(NE) GOODFELLOW(DG Attorney:ROB Title:PROCESS FOR PREPARING A HYDROCARBON RESIN BY THERMAL	06MY19 Attorne SIZING	01JL1997
Status	G TENT COM	G 2 (1) JS POLY (G COMPRISI	G FELLOW (DO A HYDRO	US D G NE(JD) & TANSLEY(AC) 2 FOR MAKING PAPER BOARD	ŋ
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· Ctry	DS US RAK (JP) 10 (ER-REINFORCE	4769D US D G 26NO1 Case: BURDICK(CL) & ECHT(EC) 2 (1) Attorn Title:METHOD OF USING AQUEOUS POLY(ETHYLENE	4772 G 12AU19 Case: SUCHANEC(RR) 1 Title:RESINOUS COMPOSITION COMPRISING LIGNIN	US GHENBAUGH (NE CESS FOR PRE	US LANTINE (JD) CESS FOR MAK	Sn
DOCKET NO.		1002/ 1002 1 Title:MET	4772 Case: SUCI Title:RES	4773D Case: DAUC Title:PROC	4776D Case: BALLANTI Title:PROCESS	4777D

Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated	Owner:Hercules Incorporated
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G -13-14-15) COMPRISING	G 3-9) ING COMPOSI	G ICITY IN	G , & TAKE ISING ON
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### 4777D US D G 01JL199 ### Case: MASLANKA(WW) 16 (12-13-14-15) Attorney ####################################	4778C US C G 27MY1997 5633300 Gase: DASGUPTA(SP) 11 (7-8-9) Attorney:IGS Busin	Title:RETENTION OF HYDROPHOBICITY IN POLYOLEFIN FIBER TO BE USED	84780D US D G 05AU1997 5654088 05. Case: GUPTA(RK), MALLORY(JE), & TAKE Attorney:MDK Busines: Title:HYGIENIC PRODUCT COMPRISING ONE ABSORBENT LAYER AND AT LEAST
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