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Conveying Party(ies)	⊠ Mar	k if additional	names of conveying p	arties attached	Execution 1	Data	
					Month Day		
Name (line 1) H	ercules Incorporated	l, a Delawar	e corporation		11/14/00		
Name (line 2)					11/11/00		
Lane (me 2)							
Second Party					Execution	Date	
Name (line 1) H	ercules Credit, Inc.,	a Delaware	corporation		Month Day	Year	
	——————————————————————————————————————	u Delaware	Corporation		11/14/00		
Name (line 2)					5601	754	
Receiving Party	Mar	c if additional	names of receiving pa	rties attached	3001	113 1	
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N (P 1)	F 1 C 1				····	recorded is an assignment and the receiving party is	
Name (line 1)	Bank of America,	N.A., as Co	llateral Agent	· · · · · · · · · · · · · · · · · · ·		not domiciled in the	-
Name (line 2)			······································			United States, an appointment of a domes	tic
Address (line 1)	101 N. Tryon Stree					representative should be attached. (Designation	9
						must be a separate document from	
Address (line 2)	Independence Cen	ter, 15" Floo	or			Assignment.)	
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Address (line 3)	Charlotte		orth Carolina] [28]	255		
Domestic Representativ	City e Name and Address	Enter fo	State/Country or the first Receiving Party	only.	Zip Code		
•	N/A						
Name	IN/A						
Address (line 1)							
()							
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Address (line 4) /22/2001 NVB.1 00000	160 5601754	FOI	R OFFICE USE ONLY				
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document and gathering	for this collection of informatio the data needed to complete the	Cover Sheet. Send	d comments regarding this bu	rden estimate to the	U.S. Patent and Tra	idemark Office, Chief	
Information Officer, Wa	shington, D.C. 20231 and to the 20503. See OMB Information	Office of Informat	ion and Regulatory Affairs, O	ffice of Managemen	t and Budget, Paperv	work Reduction Project (065	51-)
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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

PATENT

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FORM PTO-1 Expires 06/30/ OMB 0651-00	/99	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent N	Name and Address	Area Code and T	elephone Number (919) 286-8000
Name	Steven D. Thomas	Area Code and 1	elephone Number (717) 200 0000
Address (line 1)	Moore & Van Allen	PLLC	
	2200 West Main Str		
Address (line 2)	Suite 800		
Address (line 3)		1: 07706	
Address (line 4)	Durham, North Card	lina 27/05	
Pages	Enter the total number of including any attachmen	pages of the attached conveyance document ts.	#
Application Num Enter eith	nber(s) or Patent Number the Patent Application	er(s) \times Mark if addition. Number or the Patent Number (DO NOT ENTER	al numbers attached R BOTH numbers for the same property).
]	Patent Application Number	er(s)	Patent Number(s)
		5,601,754	4,659,482 4,886,575
		4,724,064	4,659,481 4,671,880
	eing filed together with a <u>new</u> P umed executing inventor.	4,659,459 atent Application, enter the date the patent application to	4,673,489 4,698,133 Month Day Year
Patent Coopera	tion Treaty (PCT)		
only if	CT application number a U.S. Application Number been assigned.	PCT PCT PCT PCT	PCT PCT
Number of Prop	perties Enter	the total number of properties involved.	# 47
Fee Amount	Fee A	mount for Properties Listed (37 CFR 3.41):	\$ 1,880.00
Deposit	l of Payment: Enclo t Account or payment by deposit acco	ount or if additional fees can be charged to the ac Deposit Account Number: Authorization to charge additional	# 13-4305
Steven	est of my knowledge and belie	f, the foregoing information is true and correct and care authorized, as indicated herein. Signature	any attached copy is a true copy of the original Centure 27,2000 Date Signed

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

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

Conveying Party(ies		ned
Enter Additional Con	veying Party	Execution Date Month Day Year
Name (line 1)	Hercules Flavor, Inc., a Delaware corporation	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 Enter Additional Re		es attached 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 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 Numbe Enter eit	r(s) or Patent Number(s) Mark if additional number the Patent Number (DO NOT ENTER BOTH)	
Pa	atent Application Number(s) Par	ent Number(s)
	4,701,262	4,857,209
	4,725,623	4,853,132
	4,601,815 4,5	4,867,754
	4,578,178 4,	725,587 4,871,424
	4,725,624 4,	4,897,797
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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	ned
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) Mark if additional names of receiving partie Enter Additional Receiving Party	es attached If document to be recorded is an assignment and the
Name (line 1)	receiving party is not domiciled in the United
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Address (line 1)	should be attached. (Designation must be a
Address (line 2)	separate document from Assignment.)
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Application Number(s) or Patent Number(s) Mark if additional number enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH)	
Patent Application Number(s) Pat	ent Number(s)
4,883,566	771,720 4,895,664
4,927,561 4,8	4,861,429
4,927,519	4,855,296
4,913,801	4,869,845
4,872,995	4,895,622

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

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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Conveying Party(ies) Mark if additional names of conveying parties atta Enter Additional Conveying Party	ched			
zmorradinomi com oying raty	Execution Date Month Day Year			
Name (line 1) Fibervisions Products, Inc., a Georgia corporation	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			
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4,912,247	1,992,210			
4,906,385	1,883,580			
4,900,451	5,079,266			
4,931,206				
4,913,880				

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

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Conveying Party(ies) Mark if additional names of conveying parties attached Enter Additional Conveying Party	
	Execution Date
Name (line 1) Betzdearborn Europe, Inc., a Pennsylvania corporation	Month Day Year
Name (line 2)	Execution Date
	Month Day Year
D R C BID., 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
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Receiving Party(ies) [Mark if additional names of receiving parties a Enter Additional Receiving Party	ttached 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
Address (line 1)	(Designation must be a separate document from
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City Call Call Call Call Call Call Call Cal	If document to be recorded
Name (line 1)	is an assignment and the receiving party is not
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Address (line 2)	Assignment.)
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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 attached	1
Enter Additional Con		Execution Date Month Day Year
Name (line 1)	BLI Holdings Corp., a Delaware corporation	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
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U.S. Department of Commerce Patent and Trademark Office PATENT

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Conveying Party(ies)	Mark if ad	ditional names of conveying parties	attached
Enter Additional Conveying	ig Party		Execution Date
Name (line 1) Ath	ens Holdings, Inc., a Dela	ware corporation	Month Day Year [11/14/00]
Name (line 2)			Execution Date Month Day Year
Name (line 1) Bet	zdearborn China, Ltd., a D	Delaware corporation	11/14/00
Name (line 2)			Execution Date Month Day Year
Name (line 1) BL	Chemicals Inc., a Delawa	re corporation	11/14/00
Name (line 2)			
Receiving Party(ies) Enter Additional Receiving		fark if additional names of receiving	If document to be recorded
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Name (line 2)			States, an appointment of a domestic representative should be attached.
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Address (line 2)			Assignment.)
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	e <i>Patent Application Number <u>o</u>r th</i> Application Number(s)	e Patent Number (DO NOI ENTER E	Patent Number(s)
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U.S. Department of Commerce Patent and Trademark Office PATENT

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Name (line 1) Ch	emical Technologies Indi	a, Ltd., a Delaware corporation	11/14/00	
Name (line 2)			Execution Date Month Day Year	
Name (line 1) Co	vington Holdings, Inc., a	Delaware corporation	11/14/00	
Name (line 2)			Execution Date Month Day Year	
Name (line 1) Eas	st Bay Realty Services, Ir	nc., a Delaware corporation	11/14/00	
Name (line 2)]	
Receiving Party(ies) Enter Additional Receiving	ing Party	Mark if additional names of receiving part	ies 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	
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Application Number(s) Enter either t	or Pat en t Number(s) The Patent Application Number <u>o</u>	Mark if additional num r the Patent Number (DO NOT ENTER BOTE	bers attached I numbers for the same property).	
Patent	Application Number(s)	Pa	atent Number(s)	

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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 attack	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)	
Receiving Party(ies) Enter Additional Receiving Party Mark if additional names of receiving parti	If document to be recorded is an assignment and the
Name (line 1)	receiving party is not domiciled in the United States, an appointment of a
Name (line 2)	domestic representative should be attached.
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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 States, an appointment of a
Name (line 2)	domestic representative should be attached.
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Address (line 2)	Assignment.)
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U.S. Department of Commerce Patent and Trademark Office **PATENT**

	RECORDATION FORM COVER SHEET CONTINUATION	
Conveying Party(ies)	PATENTS ONLY Mark if additional names of conveying parties attached	
Enter Additional Conv		Execution Date
Name (Page 1)	I	Month Day Year
L	Hercules Euro Holdings, LLC, a Delaware limited liability company	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) Enter Additional Received		ached 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
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Address (line 2)		separate document from Assignment.)
Address (line 3)		
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Name (line 2)		domestic representative should be attached.
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Address (line 2)		Assignment.)
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U.S. Department of Commerce Patent and Trademark Office PATENT

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	PAIENI
Conveying Party(ies) Mark if additional names of conveying parties a	ttached
Enter Additional Conveying Party	Execution Date Month Day Year
Name (line 1) Hispan Corporation, a Delaware corporation	11/14/00
Name (line 2)	Execution Date Month Day Year
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Name (line 2)	Execution Date Month Day Year
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Name (line 2)	
Receiving Party(ies) Enter Additional Receiving Party Name (line 1) Mark if additional names of receiving party	Darties attached 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
Address (line 2)	separate document from 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
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Address (line 1)	should be attached. (Designation must be a separate document from
Address (line 2)	Assignment.)
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Application Number(s) or Patent Number(s) Mark if additional n Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BO	
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NOTICE

OF

GRANT OF SECURITY INTEREST

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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

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			e foreg			••••

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: Donald St. C.

Title: MANAGING DIRECTOR

OWNER	PATENT NO. ISSUED DOCKET NO. COUNTRY TITLE
BETZ INT'L	134961 FEB 26 98 W-913A-1 Pakistan METHODS & COMPOSITIONS FOR REDUCING FOULING DE- POSIT FORMATION IN JET ENGINES BY UTILIZING
BETZ INT'L	31089 JUN 25 92 S-482 Singapore BIOCIDAL COMPOSITIONS & USE THEREOF
BETZ INT'L	9290562.9 JUN 25 92 D-491 Singapore METHOD FOR CONTROLLING MACROINVERTEBRATES
BETZ INT'L	56/1992 SEP 04 92 S-482 Trinidad and Tobago BIOCIDAL COMPOSITIONS & USE THEREOF
BETZ INT'L	55/1992 SEP 04 92 D-491 Trinidad and Tobago METHOD FOR CONTROLLING MACROINVERTEBRATES
BETZ INT'L	NI-088799 DEC 13 97 C-849/A/B Taiwan, Province of China COMPOSITIONS AND METHODS FOR WATER CLARIFICATION AND WASTEWATER TREATMENT
BETZ INT'L	NI-098767 APR 09 99 B-956 Taiwan, Province of China METHODS OF CONTROLLING THE DEPOSITION OF SCALE IMPARTING PRECIPITATES & OF TRANSPORTING &
BETZ INT'L	NI-085076 APR 01 97 W-913A-1 Taiwan, Province of China METHODS & COMPOSITIONS FOR CLEANING & INHIBITING FOULING DEPOSIT FORMATION ON JET ENGINE
BETZ INT'L	NI-080796 JAN 13 97 M-946A Taiwan, Province of China WATER SOLUBLE CYCLIC AMINE - DICARBOXYLIC ACID - ALKANOL AMINE SALT CORROSION INHIBITOR
BETZ LABS	5,601,754 FEB 11 97 C-982 U.S. WATER TREATMENT POLYMER CONTAINING POLY[OXY-[(HY DROXYMETHYL)-1,2-ETHANEDIYL]] MACROMONOMERS &
BETZ LABS	693,975 NOV 05 98 E-967 Australia METHOD OF INHIBITING HIGH TEMPERATURE CORROSION
BETZ LABS	697,986 FEB 04 99 P-970 Australia AQUEOUS STABILIZED ISOTHIAZOLONE BLENDS
BETZ LABS	PI98-1329 MAR 26 98 D-1010 Ecuador METHODS FOR TREATING MUD WASH EMULSIONS
BETZ LABS	PI98-1324 MAR 25 98 M-1005 Ecuador CORROSION INHIBITOR FOR ALKANOLAMINE UNITS
BETZ LABS	31716 JUL 15 96 L-693 Singapore PREVENTION OF FORMATION OF FOULING DEPOSÍTS ON METAL SURFACES
BETZ LABS	NI-099951 MAY 12 99 R-972 Taiwan, Province of China METHODS OF INHIBITING CORROSION USING N-HALO- AZOLES
BETZ LABS	NI-099090 APR 17 99 N-978 Taiwan, Province of China COMPOSITIONS & METHODS FOR INHIBITING THE DE- POSITION OF ORGANIC CONTAMINANTS IN PULP &

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BETZ LABS	NI-094956 OCT 01 98 S-992 Taiwan, Province of China PROCESS AND COMPOSITION FOR DEINKING WASTE PAPER
BETZ LABS	NI-112207 MAR 01 00 A-1001 Taiwan, Province of China COMPOSITIONS & METHODS FOR INHIBITING VINYL ARO- MATIC MONOMER POLYMERIZATION
BETZ LABS	NI-094106 AUG 21 98 M-1005 Taiwan, Province of China CORROSION INHIBITOR FOR ALKANOLAMINE UNITS
EETZ LABS	DEC 21 99 W-980/1037 Taiwan, Province of China METHOD FOR INHIBITING MICROBIAL ADHESION ON SUR- FACES
SETZ LABS	OCT 31 97 C-849/A/B Venezuela COMPOSITIONS AND METHODS FOR WATER CLARIFICATION AND WASTEWATER TREATMENT
EETZDEARBORN	4,724,064 FEB 09 88 R-436 US (COMPOSITION &) METHOD FOR COKE RETARDANT DURING HYDROCARBON PROCESSING
SETZDEARBORN	4,659,459 APR 21 87 0-463 US. AUTOMATED SYSTEMS FOR INTRODUCING CHEMICALS INTO WATER OR OTHER LIQUID TREATMENT SYSTEMS
SETZDEARBORN	4,659,482 APR 21 87 C-435B U.S. WATER TREATMENT POLYMERS & METHODS OF USE THEREOF
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BETZDEARBORN	4,673,489 JUN 16 87 R-469 U.S. METHOD FOR PREVENTION OF FOULING IN A BASIC SOLUTION BY ADDITION OF SPECIFIC NITROGEN COMPOUNDS
BETZDEARBORN	4,886,575 DEC 12 89 M-471 US. DETACKIFICATION OF ADHESIVE MATERIALS CONTAINED IN SECONDARY FIBER WITH POLYVINYL ALCOHOL
BETZDEARBORN	4,671,880 JUN 09 87 W-468 US METHOD FOR INHIBITING ALUMINUM-BASED DEPOSITION IN WATER SYSTEMS
BETZDEARBORN	4,698,133 OCT 06 87 M-478 US. DETACKIFICATION OF ADHESIVE MATERIALS CONTAINED IN SECONDARY FIBER
BETZDEARBORN	4,701,262 OCT 20 87 C-435E US. WATER TREATMENT POLYMERS & METHODS OF USE THEREOF
BETZDEARBORN	4,725,623 FEB 16 88 W-505 US . BIOCIDAL COMPOSITIONS & USE THEREOF CONTAINING A SYNERGISTIC MIXTURE OF 2-BROMO-2-NITROPROPANE
∃ETZDEARBORN	4,601,815 JUL 22 86 F-454 U.S. PASSIVATION OF FCC CATALYSTS
EETZDEARBORN	4,578,178 MAR 25 86 F-434A U.S. METHOD FOR CONTROLLING FOULING DEPOSIT FORMATION IN A PETROLEUM HYDROCARBON OR PETROCHEMICAL

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METHOD FOR CALCIUM OXALATE SCALE CONTROL

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