

01-08-2003

Form PTO-1595
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RECC

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OMB No. 0651-0027 (exp. 5/31/2002)

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

1. Name of conveying party(ies):

Hercules Incorporated
1313 North Market Street
Wilmington, DE 19894-0001

12-27-02

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

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☒ Other Notice of Grant of Security Interest

Execution Date: December 20, 2002

2. Name and address of receiving party(ies)

Name: Credit Suisse First Boston, as Collateral Agent

Internal Address: _____

Street Address: Eleven Madison Avenue

City: New York State: NY Zip: 10010

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

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

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

A. Patent Application No.(s) _____

SEE ATTACHED SCHEDULE

B. Patent No.(s) _____

SEE ATTACHED SCHEDULE

Additional numbers attached? ☒ Yes ☐ No

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

Name: Steven D. Thomas

Internal Address: Moore & Van Allen PLLC

Street Address: 2200 West Main Street,

Suite 800

City: Durham State: NC Zip: 27705

6. Total number of applications and patents involved: 45

7. Total fee (37 CFR 3.41).....\$ 1,800.00

☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-2316

DO NOT USE THIS SPACE

9. Signature.

Steven D. Thomas
Name of Person Signing

Signature
December 27, 2002
DateTotal number of pages including cover sheet, attachments, and documents: ☐

01/08/2003 LNUJELLER 00000073 08109842

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1800.00 OP

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 013625 FRAME: 0233

Patents & Patent Applications
 DivisionTextile Products
 Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4590C	US	C	F	08/109842	17AU1993			TEX	DE
Title: FIBERIZED OVERLAY FOR ASPHALT PAVING COMPOSITION CONTAINING CORE- SHELL OR SIDE-BY-SIDE BICOMPONENT FIBERS									
4590C2	US	C	G	09/648350	25AU2000	6221428	24AP2001	02JA2010	TEX
Title: Fiberized Asphalt Hot Mix Composition and Method For Improving Durability and Life of Asphalt Paved Surfaces									
4596	US	G	G	114575	31AU1993	5393812	28FE1995	31AU2013	TEX
Title: FLAME RETARDANT, LIGHT STABLE POLYOLEFIN COMPOSITION CONTAINING HINDERED AMINE & HALOGENATED PHOSPHATE OR PHOSPHONATE ESTER; FIBERS & TEXTILES THEREFROM									
4597C	US	C	G	115374	02SE1993	5403426	04AP1995	06NO2012	TEX
Title: MODIFYING POLYOLEFIN FIBER WITH CERTAIN WATER-SOLUBLE ESTERS TO MAKE SURFACE HYDROPHOBIC AND FIBER SUITABLE FOR USE IN NONWOVENS									

Assignee: Hercules Incorporated

Assignee: Hercules Incorporated

Assignee: Hercules Incorporated

Assignee: Hercules Incorporated

Patents & Patent Applications
DivisionTextile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4610D	US	D	G	156747	24NO1993	5470640	28NO1995	28NO2012	TEX MDK Assignee: Hercules Incorporated
Title:HIGH LOFT NONWOVENS WITH LIGHTLY BONDED FACE WEB(S) HEAVILY BONDED TO TRANSVERSELY ARRANGED BASE WEB(S)									
4639	US	G	G	177749	05JA1994	5411693	02MY1995	05JA2014	TEX DE Assignee: Hercules Incorporated
Title:PROCESS FOR HIGH SPEED SPINNING OF MULTICOMPONENT FIBERS WITH HIGH HOLE SURFACE DENSITY SPINNERETTES AND HIGH VELOCITY QUENCH									
4642P	US	P	G	210989	18MR1994	5554435	10SE1996	31JA2014	TEX MDK Assignee: Hercules Incorporated
Title:COMPOSITE NONWOVEN PRODUCT COMPRISING LAYER OF MELTBLOWN MICROFIBERS &LAYER OF THERMALLY OXIDIZED MONOCOMPONENT OR SKIN/CORE MULTICOMPONENT FIBERS									
4659C	US	MC	G	08/220465	30MR1994	5721048	24FE1998	30MY2009	TEX MDK Assignee: Hercules Incorporated
Title:RETENTION OF HYDROPHOBICITY IN POLYOLEFIN FIBER FOR NONWOVENS BY APPLYING FINISH AND OVERFINISH OF NEUTRALIZED PHOSPHATE ESTER AND POLYSILOXANE									

Patents & Patent Applications
DivisionTextile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4663	US	G	235306	29AP1994	5485662	23JA1996	29AP2014	TEX	MDK
Title:FIBER CRIMPING APPARATUS AND METHOD INCLUDING DOCTOR BLADES THAT PROVIDE FOR DIRECT COOLING OF STUFFER BOX AND INDIRECT COOLING OF FIBER IN THE BOX									

4665	US	G	238324	05MY1994	5683809	04NO1997	04NO2014	TEX	MDK
Title:FILMLESS HYDROPHOBIC BARRIER FABRIC FOR LEG-CUFF, BACKING AND WAIST- BAND MADE OF NONWOVEN COMPRISING THERMOBONDABLE FINE DENIER POLYOLEFIN FIBERS									

4686	US	G	08/287973	09AU1994	5698480	16DE1997	16DE2014	TEX	MDK
Title:TEXTILE STRUCTURES COMPRISING LOW-MELTING LINEAR LOW DENSITY POLYMER OF ETHYLENE FIBERS AND OPTIONALLY ALPHA-OLEFIN FIBERS AS BINDER FIBERS									

4688	US	G	285559	03AU1994	5502160	26MR1996	03AU2014	TEX	MDK
Title:POLYOLEFIN-POLYESTER ALLOY FIBERS AND THEIR USE IN HOT-MIX ASPHALT COMPOSITIONS FOR MAKING AND REPAIRING GEOWAYS									

Patents & Patent Applications
 DivisionTextile Products
 Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Ally
4689	US	G	285556	03AU1994	5441812	15AU1995	03AU2014	TEX	MDK
Title:OLEOPHILIC STAPLE FIBERS TREATED WITH ANTISTAT, USEFUL IN REINFORCING PAVEMENT AND GEOWAYS									
4699	US	G	301914	07SE1994	5556589	17SE1996	07SE2014	TEX	MDK
Title:SPIN PACK ASSEMBLY FOR GEOMETRICALLY VARIED MULTICOMPONENT FIBERS COMPRISING SPINNERET ORIFICE, DISTRIBUTION PLATE AND GROOVED PIN									
4710C	US	MC	328938	25OC1994	5531727	02JUL1996	26DE2010	TEX	MDK
Title:NONWOVEN COVERSTOCK FOR FLUID-ABSORBING ARTICLE HAVING FLOW CONTROL PROPERTIES, BASED ON MULTIPLE FIBER WEBS WITH DIFFERING DPF, BONDED TO CONSTANT DENSITY									
4728D	US	D	356013	14DE1994	5582667	10DE1996	10DE2013	TEX	MDK
Title:PREPARATION OF MULTICONSTITUENT FIBERS OF TWO IMMISCIBLE POLYMERS WITH DIFFERENT MELTING POINTS PRESENT IN UNEQUAL AMOUNTS AND NONWOVENS MADE THEREFROM									

Patents & Patent Applications
Division/Textile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4729C	US	C	G	08/998592	29DE1997	5882562	16MR1999	19DE2014	TEX MDK Assignee: Hercules Incorporated

Title: MAKING HIGH STRENGTH FIBER BY EXTRUDING POLYMER WITH BROAD MOLECULAR WEIGHT DISTRIBUTION AND DEGRADING BY OXIDATIVE QUENCH TO OBTAIN HIGH MFR SHEATH

4745C	US	C	G	395484	27FE1995	5487943	30JA1996	19AP2013	TEX MDK Assignee: Hercules Incorporated
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Title: MULTICONSTITUENT FIBER OF CONTINUOUS LLDPE PHASE AND DISCONTINUOUS POLYPROPYLENE-CO-ETHYLENE) AND/OR POLYPROPYLENE PHASE AND NONWOVENS MADE THEREFROM

4755C	US	C	G	429454	02MY1995	5582904	10DE1996	07SE2014	TEX MDK Assignee: Hercules Incorporated
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Title: REWITTING NONWOVEN POLYOLEFIN MAERIAL INCORPORATING POLYALKOXYLATED FATTY ACID AMINE AND FATTY ACID AMIDE IN FIBERS OR FIBRILLATED FILM

4762C	US	MC	G	451603	26MY1995	5554437	10SE1996	TEX MDK Assignee: Hercules Incorporated
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Title: GAMMA-STERILIZABLE NONWOVEN FABRIC OF CARDABLE MULTICONSTITUENT STAPLE FIBERS AND BARRIER MATERIAL, BOTH CONTAINING AT LEAST 50% BY WEIGHT OF ETHYLENE POLYMER

Patents & Patent Applications
DivisionTextile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4765D	US	D	G	457952	01JE1995	5540953	30JUL1996	30JUL2013	TEX MDK Assignee: Hercules Incorporated

Title:PROCESS OF MAKING THERMOBONDABLE FABRIC COMPRISING
HYDROPHOBIC POLYOLEFIN FIBERS TREATED WITH NONDEPOSITING
ANTISTATIC COMPOSITION AND LUBRICANT

4767D	US	D	G	471818	06JE1995	5564856	15OC1996	03AU2014	TEX MDK Assignee: Hercules Incorporated
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Title:FIBER-REINFORCED PAVEMENT COMPRISING HOT-MIX PAVEMENT AND
POLYOLEFIN AND POLYESTER ALLOY FIBER AND METHOD OF REPAIRING
GEOWAY

4779C	US	RC	G	08/473917	30MY1989	RE35621	03JUL1990	03JUL2007	TEX MDK Assignee: Hercules Incorporated
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Title:RETENTION OF HYDROPHOBICITY IN POLYOLEFIN FIBER TO BE USED
IN BONDED NONWOVENS BY SEQUENTIAL TREATMENT WITH NEUTRALIZED
PHOSPHATE ESTER AND POLYSILOXANE

4780D	US	D	G	08/466617	06JE1995	5654088	05AU1997	05AU2014	TEX MDK Assignee: Hercules Incorporated
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Title:HYGIENIC PRODUCT COMPRISING ONE ABSORBENT LAYER AND AT LEAST
ONE THERMOBONDABLE NONWOVEN FABRIC COMPRISING POLYPROPYLENE
FIBERS

Patents & Patent Applications
DivisionTextile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4781D	US	D	G	08/466619	06JE1995	5733646	31MR1998	31MR2015	MDK Assignee: Hercules Incorporated
Title:NONWOVEN COMPRISING THERMALLY BONDABLE POLYPROPYLENE FIBERS HAVING MIXTURE OF AT LEAST TWO COMPONENTS WITH DIFFERING MELT FLOW RATES									

4811	US	G	G	08/583513	05JA1996	5756026	26MY1998	05JA2016	MDK Assignee: Hercules Incorporated
Title:PROCESS TO CONTROL POST MOLDING CURL AND DISTORTION OF FABRIC COMP- RISING FACE AND BACKING LAYER BY COOLING BACKING LAYER WHILE IN MOLD									

4818	US	G	G	08/609125	29FE1996	5737815	14AP1998	29FE2016	ROB Assignee: Hercules Incorporated
Title:METHOD AND APPARATUS FOR MAINTAINING YARN TENSION AND YARN TAKE-UP POINT TO OBTAIN UNIFORM YARN TEXTURE									

4819C	US	C	G	08/598168	07FE1996	5705119	06JA1998	26JA2015	MDK Assignee: Hercules Incorporated
Title:PROCESS FOR SPINNING SKIN-CORE FIBER BY HEATING & DEGRADING POLYMER PRIOR TO EXTRUDING & QUENCHING FIBER IN OXIDATIVE ATMOSPHERE									

Patents & Patent Applications
DivisionTextile products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4829X	US	X	G	08/946969	08OC1997	6117546	12SE2000	03MY2016	TEX DE Assignee: Hercules Incorporated
Title:LAMINATE FIBER STRUCTURES COMPRISING LINEAR LOW DENSITY POLYETHYLENE BINDER FIBERS AND A WEB COMPRISING NONMELTING OR HIGHER MELTING THAN POLYETHYLENE FIBERS									

4830D	US	D	G	08/642837	03MY1996	5712209	27JAL1998	09AU2014	TEX MDK Assignee: Hercules Incorporated
Title:FABRICS COMPRISING NONMELTING OR HIGHER MELTING FIBERS AS A WARP YARN AND LINEAR LOW DENSITY POLYETHYLENE FIBER AS FILLING YARN									

4831D	US	D	G	08/642839	03MY1996	5824613	20OC1998	09AU2014	TEX MDK Assignee: Hercules Incorporated
Title:LAMINATE COMPRISING AT LEAST ONE LAYER OF LINEAR LOW DENSITY POLY- ETHYLENE FIBER AND AT LEAST ONE LAYER OF NONMELTING OR HIGHER MELTING FIBER THAN LLDPE									

4832C	US	C	G	08/598240	07FE1996	6116883	12SE2000	26JA2015	TEX DE Assignee: Hercules Incorporated
Title:APPARATUS FOR SPINNING SKIN-CORE FIBER BY HEATING TO PARTIALLY DEGRADEPOLYMER PRIOR TO EXTRUDING AND QUENCHING IN OXIDATIVE ATMOSPHERE									

Patents & Patent Applications
DivisionTextile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4848P	US	P	G	08/652717	30MY1996	5846654	08DE1998	02JUE2015	TEX MDK Assignee: Hercules Incorporated
Title:HIGH TENACITY, HIGH ELONGATION FIBER COMPRISING HOMOPOLYMER AND CO- POLYMER OF PROPYLENE AND PROCESS OF MAKING									
4884D	US	D	G	09/025890	18FE1998	6177191	03JUA2001	08AU2015	TEX JAP Assignee: Hercules Incorporated
Title:NONWOVEN AND WOVEN ARTICLES COMPRISING CARDABLE HYDROPHOBIC STAPLE FIBER WITH INTERNAL LUBRICANT COMPRISING POLYSILOXANE									
4884D2	US	D	F	09/696886	26OC2000				TEX DE Assignee: Hercules Incorporated
Title:NONWOVEN AND WOVEN ARTICLES COMPRISING CARDABLE HYDROPHOBIC STAPLE FIBER WITH INTERNAL LUBRICANT COMPRISING POLYSILOXANE									
4884P	US	P	G	08/715130	17SE1996	5763334	09JE1998	08AU2015	TEX MDK Assignee: Hercules Incorporated
Title:NONWOVEN AND WOVEN ARTICLES COMPRISING CARDABLE HYDROPHOBIC STAPLE FIBER WITH INTERNAL LUBRICANT COMPRISING POLYSILOXANE									
4887	US	G		728490	09OC1996	5972497	26OC1999	09OC2016	TEX JLM Assignee: Hercules Incorporated
Title:SYNTHETIC ESTER LUBRICANTS AS HYDROPHOBIC POLYPROPYLENE FIBER FINISHESAND USE OF THE FIBERS IN NONWOVENS									

Patents & Patent Applications
Division/Textile Products
Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp. ---	Div. ---	Atty ---
4890C	US	C	G	746724	15NO1996	5665154	09SE1997	17AP2015	TEX MDK Assignee: Hercules Incorporated
Title:PROCESS FOR MAKING OLEOPHILIC ANTISTAT TREATED STAPLE FIBER-REINFORCED PAVEMENT SUITABLE FOR MAKING OR REPAIRING GEOWAY AND USE THEREOF									

4898D	US	D	G	08/800181	13FE1997	5888438	30MR1999	13JA2013	TEX MDK Assignee: Hercules Incorporated
Title:THERMOBONDABLE BICOMPONENT POLYPROPYLENE FIBER AND NONWOVENS MADE THEREFROM									

4905D	US	D	G	09/353651	15JUL1999	6458726	01OC2002	09OC2016	TEX DE Assignee: Hercules Incorporated
Title:POLYPROPYLENE FIBERS AND ITEMS MADE THEREFROM									

4905P	US	P	G	08/728491	09OC1996	5985193	16NO1999	29MR2016	TEX JMW Assignee: Hercules Incorporated
Title:NONWOVEN MATERIAL FROM THERMAL BONDING OF SKIN-CORE FIBER CONTAINING POLYPROPYLENE AND POLYMERIC SOFTENING ADDITIVE COMPRISING ETHYLENE VINYL ACETATE									

Patents & Patent Applications
 Division/Textile Products
 Date of Report: 03DE2002

Docket Number	Country	Status	Application Number	Application Date	Patent Number	Patent Date	Exp.	Div.	Atty
4922	US	G	08/903877	31JUL1997	5948334	07SEP1999	31JUL2017	TEX	JAC
Title:COMPACT LONG SPIN SYSTEM; PROCESS AND APPARATUS FOR MANUFACTURE OF SKIN-CORE POLYOLEFIN-CONTAINING FIBERS									
Assignee: Hercules Incorporated									
4962	US	F	09/116371	16JUL1998				TEX	DE
Title:METHOD AND APPARATUS FOR THERMAL BONDING A HIGH ELONGATION N ONWOVEN FABRIC									
Assignee: Hercules Incorporated									

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 December 20, 2002 (the "Security Agreement") by and among the Obligors party thereto (each an "Obligor" and collectively, the "Obligors") and Credit Suisse First Boston, as Collateral Agent (the "Collateral Agent") for the benefit of the Lenders referenced therein (the "Lenders"), the undersigned Obligor has granted a continuing security interest in and continuing lien upon, the patents and patent applications shown below to the Collateral Agent for the ratable benefit of the Lenders:

PATENTS

<u>Patent No.</u>	Description of Patent <u>Item</u>	Date of <u>Patent</u>
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[please see attached Exhibit A]

Patent Applications

<u>Patent Applications No.</u>	Description of Patent <u>Applied For</u>	Date of Patent <u>Applications</u>
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[please see attached Exhibit A]

The Obligors and the Collateral Agent, on behalf of the Lenders, 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

By: Israel J. Floyd
Name: ISRAEL J. FLOYD
Title: DULY AUTHORIZED REPRESENTATIVE

Acknowledged and Accepted:

CREDIT SUISSE FIRST BOSTON, as Collateral Agent

By: _____
Name: _____
Title: _____

By: _____
Name: _____
Title: _____

The Obligors and the Collateral Agent, on behalf of the Lenders, 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,

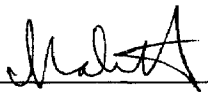
HERCULES INCORPORATED

By: _____
Name: _____
Title: _____

Acknowledged and Accepted:

CREDIT SUISSE FIRST BOSTON, as Collateral Agent

By: 
Name: JAMES P. MORAN
Title: DIRECTOR

By: 
Name: IAN W. NALITT
Title: ASSOCIATE