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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

AFBS, INC.
115 Campus Drive
Princeton, NJ 08540

Execution Date(s) June 30, 2005

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Therics, LLC

Internal Address: _____

Street Address: 283 East Waterloo Road

City: Akron

State: Ohio

Country: U.S.A. Zip: 44319

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

See Schedule A

B. Patent No.(s)

See Schedule A

Additional numbers attached? ☒ Yes ☐ No

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

Name: Robert H. Eichenberger

Internal Address: Middleton Reutlinger

Street Address: 2500 Brown & Williamson Tower

City: Louisville

State: Kentucky

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Phone Number: 502-584-1135

Fax Number: 502-561-0442

Email Address: reichenberger@middreut.com

6. Total number of applications and patents involved:

39

7. Total fee (37 CFR 1.21(h) & 3.41) \$1,560.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 2002
Expiration Date 04/06

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

Robert H. Eichenberger

Name of Person Signing

July 7, 2005

Date

Total number of pages including cover sheet, attachments, and documents:

11

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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OP \$1560.00 10122128

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P.03

Schedule A

Application Number	Filing Date	Inventors	Title
5,934,343	08/10/1999	GAYLO et al.	METHOD FOR DISPENSING OF POWDERS
6,213,168	04/10/2001	GAYLO et al.	APPARATUS AND METHOD FOR DISPENSING OF POWDERS
6,261,493	07/17/2001	GAYLO et al.	FABRICATION OF TISSUE PRODUCTS WITH ADDITIVES BY CASTING OR MOLDING USING A MOLD FORMED BY SOLID FREE-FORM METHODS
6,336,480	01/08/2002	GAYLO et al.	APPARATUS AND METHOD FOR DISPENSING OF POWDERS
6,341,952	01/29/2002	GAYLO et al.	FABRICATION OF TISSUE PRODUCTS WITH ADDITIVES BY CASTING OR MOLDING USING A MOLD FORMED BY SOLID FREE-FORM METHODS
6,547,994	04/15/2003	MONKHOUSE et al.	RAPID PROTOTYPING AND MANUFACTURING PROCESS
6,772,026	08/03/2004	BRADBURY et al.	SYSTEM AND METHOD FOR RAPIDLY CUSTOMIZING DESIGN, MANUFACTURE AND/OR SELECTION OF BIOMEDICAL DEVICES
6,905,645	06/14/2005	ISKRA	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/122,129	04/12/2002	BEAM et al	METHOD AND APPARATUS FOR ENGINEERED REGENERATIVE BIOSTRUCTURES SUCH AS HYDROXYAPATITE SUBSTRATES FOR BONE HEALING APPLICATIONS
10/837,913	05/03/2004	WEST	POROUS BIOSTRUCTURE PARTIALLY OCCUPIED BY INTERPENETRANT AND METHOD FOR MAKING SAME
10/837,541	04/30/2004	SAINI et al.	BONE VOID FILLER AND METHOD OF MANUFACTURE
10/823,095	04/12/2004	BRADBURY et al.	APPARATUS, METHOD AND ARTICLE FOR DIRECT SLICING OF STEP BASED NURBS MODELS FOR SOLID FREEFORM FABRICATION
10/789,358	02/26/2004	GANZ et al.	METHOD OF MANUFACTURE, INSTALLATION, AND SYSTEM FOR AN ALVEOLAR RIDGE AUGMENTATION GRAFT
10/789,367	02/26/2004	GANZ et al.	METHOD OF MANUFACTURE, INSTALLATION, AND SYSTEM FOR A SINUS LIFT BONE GRAFT
10/882,449	07/01/2004	BRADBURY et al.	SYSTEM AND METHOD FOR RAPIDLY CUSTOMIZING DESIGN, MANUFACTURE AND/OR SELECTION OF BIOMEDICAL DEVICES
10/806,726	03/24/2004	ROWE et al	METHOD AND SYSTEM OF PRINTHEADS USING ELECTRICALLY CONDUCTIVE SOLVENTS

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Patent Number	Priority Date	Inventors	Title
10/966,113 (60/512,498)	10/18/2004 (10/17/2003)	SHAPPLEY et al.	SHAPED FILLER, SUCH AS FOR A BONE DONOR SITE, WHICH MAY BE TAPERED AND INCLUDE SURFACE FEATURES OR CHANNELS, AND METHOD OF MANUFACTURE THEREOF
10/966,109 (60/512,417)	10/18/2004 (10/17/2003)	SHAPPLEY et al.	SPINAL CAGE INSERT, AND METHOD OF MANUFACTURING
10/789,439	02/26/2004	GANZ et al.	METHOD AND SYSTEM FOR REPAIRING ENDOSSEOUS IMPLANTS, SUCH AS WITH A BONE GRAFT IMPLANT
10/207,531	07/29/2002	SHERWOOD et al.	COMPLEX THREE-DIMENSIONAL COMPOSITE SCAFFOLD RESISTANT TO DELIMINATION
09/828,504	05/06/2001	BRADBURY et al.	SYSTEM AND METHOD FOR RAPIDLY CUSTOMIZING A DESIGN AND REMOTELY MANUFACTURING BIOMEDICAL DEVICES USING A COMPUTER SYSTEM
10/012,102	11/13/2001	MATERNA	METHOD AND APPARATUS FOR DISPENSING SMALL VOLUMES OF LIQUID, SUCH AS WITH A WETTING-RESISTANT NOZZLE
10/007,795	11/09/2001	WEITZEL et al.	METHOD AND APPARATUS FOR OBTAINING INFORMATION ABOUT A DISPENSED FLUID, SUCH AS USING OPTICAL FIBER TO OBTAIN DIAGNOSTIC INFORMATION ABOUT A FLUID AT A PRINTHEAD DURING PRINTING
10/190,333	07/03/2002	ISKRA et al.	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/189,799	07/03/2002	FAGERQUIST et al.	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/189,166	07/03/2002	FEDOR et al.	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/189,153	07/03/2002	GAYLO et al.	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/189,797	07/03/2002	IMIOLEK et al.	APPARATUS, SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING
10/891,440	07/14/2004	WEST et al.	THREE-DIMENSIONAL PRINTING APPARATUS AND METHODS OF MANUFACTURE INCLUDING STERILIZATION OR DISINFECTION, FOR EXAMPLE, USING ULTRAVIOLET LIGHT
10/794,802	03/05/2004	MATERNA	METHOD AND SYSTEM FOR MANUFACTURING BIOMEDICAL ARTICLES, SUCH AS USING BIOMEDICALLY COMPATIBLE INFILTRANT METAL ALLOYS IN POROUS MATRICES

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Patent No./Parent Number	Filing Date	Inventor's Name	Title
11/004,878	12/07/2004	MATERNA et al	BONE PUTTY COMPOSITION THAT MAINTAINS GRANULE SUSPENSION AT REDUCED TEMPERATURES
11/125,336 (60/569,921) (60/583,670)	05/10/2005 05/10/2004 06/28/2004	MCGLOHORN et al	IMPLANTABLE BIOSTRUCTURE COMPRISING AN OSTEOCONDUCTIVE MEMBER AND AN OSTEOINDUCTIVE MATERIAL
11/139,971 (60/575,484)	5/31/2005 05/28/2004	ROWE et al	POLYMERIC MICROBEADS HAVING CHARACTERISTICS FAVORABLE FOR BONE GROWTH, AND PROCESS INCLUDING THREE DIMENSIONAL PRINTING UPON SUCH MICROBEADS
60/611,095	09/20/2004	SHAPPLEY et al.	A RIGID OSTEOCONDUCTIVE ARTICLE COMPRISING A SUBSTANCE DERIVED FROM A WATER-MEDIATED HARDENING REACTION
60/611,112	9/20/2004	SHAPPLEY et al.	A RIGID OSTEOCONDUCTIVE ARTICLE COMPRISING A SUBSTANCE DERIVED FROM A WATER-MEDIATED HARDENING REACTION
60/622,023	10/27/2004	HATCHER et al.	CONTAINER FOR POROUS AGGREGATE FOR BONE AUGMENTATION
60/641,767	01/07/2005	WEITZEL et al.	APPARATUS SYSTEMS AND METHODS FOR USE IN THREE DIMENSIONAL PRINTING, INCLUDING SYNCHRONOUS DIGITALLY PROGRAMMABLE WAVEFORM GENERATOR
60/654,869	02/22/2005	SAINI et al	ORTHOPEDIC SURGEON CONFERENCE
60/(TBA)	06/24/2005	MATERNA et al	BONE PUTTY COMPOSITION CONTAINING AN ACTIVE PHARMACEUTICAL INGREDIENT WHICH STIMULATES BONE GROWTH

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Exhibit 2.3(c)(1)
**ASSIGNMENT OF INVENTIONS, APPLICATIONS FOR PATENT,
AND LETTERS PATENT**

THIS ASSIGNMENT OF INVENTIONS, APPLICATIONS FOR PATENT, AND LETTERS PATENT ("the Agreement") is between AFBS, INC., a Virginia corporation (f/k/a "Therics, Inc.") with a business address of 115 Campus Drive, Princeton, New Jersey 08540 ("Assignor"), and THERICS, LLC, an Ohio limited liability company, with a business address of 283 East Waterloo Road, Akron, Ohio 44319 ("Assignee"), and is effective as of the 1st day of July, 2005 (the "Effective Date").

WITNESSETH:

WHEREAS, Assignor, with its predecessors in interest, is party to a Unit Purchase Agreement, an Intellectual Property Transfer Agreement, and a Payment Agreement, all dated as of July 1, 2005, and to a Transfer Agreement dated as of June 30, 2005 (hereinafter "the Ancillary Agreements");

WHEREAS, pursuant to one or more of the Ancillary Agreements the Assignor became the owner of all right, title, and interest in and to the Intellectual Property defined in the Ancillary Agreement, including, but not limited to, the patents and patent applications listed on Schedule A attached hereto ("the Patents"); and

WHEREAS, Assignee, including its successors and assigns, desires to acquire Assignor's entire right, title and interest in and to the Patents.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and subject to the terms and conditions of the Ancillary Agreements, Assignor hereby assigns, sells, conveys, transfers, and delivers unto Assignee Assignor's entire right, title and interest in and to the Patents and in and to any and all letters patent which may be granted therefore in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all continuations, continuations-in-part, divisionals, reexaminations, and reissues based thereon which may be filed or granted therefor, including the right to recover for past infringement, and including rights of priority under the International Convention of Paris (1883) as amended, and including the right to file foreign applications directly in the name of Assignee. Assignor also agrees to cooperate with Assignee and to execute without additional consideration any additional documents deemed necessary by Assignee to apply for or maintain patents or other legal protection for the Patents in the United States and in foreign countries.

This Agreement is made without representation or warranty. This Agreement is subject in all respects to the provisions of the Ancillary Agreements and is not intended, and shall not be construed, in any way to enhance, expand, modify, amend, waive, limit, or qualify any of the terms, conditions, covenants, or provisions of the Ancillary Agreements, the terms, conditions, covenants, and provisions of which are hereby incorporated herein by reference.

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Assignor hereby authorizes and requests the U.S. Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in the Patents to said Assignee.

AFBS, INC. (ASSIGNOR),

By Name: W. H. Swiger, Jr.
Title: Vice President
Date: June 30, 2005

STATE OF VIRGINIA
COUNTY OF WESTFORD :ss

I do hereby certify that W. H. Swiger, Jr., personally known to me to be the person who executed the foregoing document on behalf of Assignor, appeared before me this day in person and has acknowledged to me that he/she executed the Agreement and Assignment of his/her own free will and as the free will of Assignor, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed by Notarial Seal on this 1st day of July, 2005.

[Signature]
Notary Public

My commission expires: October 31, 2008

ACCEPTANCE

The undersigned Assignee hereby declares that it agrees to the terms of the foregoing Assignment and accepts the foregoing Assignment under the terms thereof.

THERICS, LLC (ASSIGNEE)

By: [Signature]
Name: Randy Thelen
Title: President of Manager
Date: 7/1/05

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Application No. Patent No.	Country	Filing Date Grant Date	Title
Application No. EP20030771918 (Publication No. EP 1526822)	Europe	07/28/2003	A Complex Three Dimensional Scaffold Resistant to Delamination
Patent No. EP 1128950 (Application No. EP19990981686)	Europe	06/08/2003 11/15/1999	A Computer-Aided Fabrication Process for Rapid Designing, Prototyping and Manufacturing of Multiple Medical Devices
Patent No. DE 69908967 (Based on European Patent No. EP 1128950)	Germany	07/24/2003 06/08/2003	A Computer-Aided Fabrication Process for Rapid Designing, Prototyping and Manufacturing of Multiple Medical Devices
(Based on European Patent No. EP 1128950)	France	06/08/2003 11/15/1999	A Computer-Aided Fabrication Process for Rapid Designing, Prototyping and Manufacturing of Multiple Medical Devices
(Based on European Patent No. EP 1128950)	U.K.	06/08/2003 11/15/1999	A Computer-Aided Fabrication Process for Rapid Designing, Prototyping and Manufacturing of Multiple Medical Devices
Patent No. AU 735039 (Application No. AU19980068720)	Australia	10/11/2001 03/31/1998	Method for Dispensing of Powders
Application No. CA19982288201 (Publication No. CA 2288201)	Canada	03/31/1998	Method for Dispensing of Powders
Application No. EP19980914344 (Publication No. EP 1015153)	Europe	03/31/1998	Method for Dispensing of Powders
Patent No. AU 755858 (Application No. AU20000025045)	Australia	01/02/2003 01/12/2000	Method and Apparatus for Managing and/or Utilizing Data Received from a CAD Model

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Application No. Publication No.	Country State	Filing Date Issue Date	Inventor Name
Application No. CA20022442855 (Publication No. CA 2442855)	Canada	04/12/2002	Method and Apparatus for Engineered Regenerative Biostructures
Application No. EP20020721726 (Publication No. EP 1379287)	Europe	4/12/2002	Method and Apparatus for Engineered Regenerative Biostructures
Application No. EP20030763042 (Publication No. EP 1519830)	Europe	6/26/2003	Three Dimensional Printing Method and Apparatus
Application No. PCT/US04/013580 (Publication No. WO 2004/098457)	PCT	04/30/2004	Bone Void Filler and Method of Manufacture
Application No. PCT/US04/013564 (Publication No. WO 2004/098456)	PCT	05/03/2004	Porous Biostructure Partially Occupied by Interpenetrant and Method for Making Same
Application No. PCT/US04/06745 (Publication No. WO 2004/078069)	PCT	03/05/2004	Process for Manufacturing Biomedical Articles by Infiltrating Biocompatible Metal Alloys in Porous Matrices
Application No. EP20010989987 (Publication No. EP 1370365)	Europe	11/13/2001	A Wetting-Resistant Nozzle for Dispensing Small Volumes of Liquid and a Method for Manufacturing a Wetting-Resistant Nozzle
Application No. EP20010987339 (Publication No. EP 1332050)	Europe	11/09/2001	Method and Apparatus for Obtaining Information about a Dispensed Fluid During Printing
Application No. PCT/US04/022462 (Publication No. WO 2005/007390)	PCT	07/14/2004	Three-Dimensional Printing Apparatus and Methods of Manufacture Including Sterilization or Disinfection, for Example, Using Ultraviolet Light
Application No. PCT/US2004/034992 (Publication No. WO 2005/037137)	PCT	10/18/2004	Spinal Cage Insert, Filler Piece and Method of Manufacture

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Application No. Patent No.	Country	Filing Date Issue Date	Title
Application No. PCT/US05/16285 (Publication No. TBA)	PCT	05/10/2005	Implantable Biostructure Comprising an Osteoconductive Member and an Osteoinductive Material
Application No. PCT/US05/19063 (Publication No. TBA)	PCT	05/31/2005	Polymeric Microbeads Having Characteristics Favorable For Bone Growth, And Process Including Three Dimensional Printing Upon Such Microbeads