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U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET
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):
Third Millennium Engineering, LLC

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies)
Name: SpineCore, Inc.
Internal Address:
Street Address:
2 Pearl Court
City: Allendale
State: New Jersey
Country: United States of America Zip: 07401
Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): January 21, 2003
[X] Assignment [ ] Merger [ ] Change of Name
[ ] Security Agreement [ ] Joint Research Agreement
[ ] Government Interest Assignment
[ ] Executive Order 9424, Confirmatory License
[ ] Other

4. Application or patent number(s):
[ ] This document is being filed together with a new application.
A. Patent Application No.(s)
11/453,129
13/402,328
B. Patent No.(s)
Additional numbers attached? [ ] Yes [X] No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Brent L. Farese
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
Internal Address: Atty. Dkt.: SPINE 3.0-453
Street Address: 600 South Avenue West
City: Westfield
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Phone Number: 908-654-5000
Fax Number: 908-654-7866
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6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 1.21(h) & 3.41) $ 80.00
[X] Authorized to be charged to deposit account
[ ] Enclosed
[ ] None required (government interest not affecting title)

8. Payment Information
Deposit Account Number 12-1095
Authorized User Name Brent L. Farese

9. Signature:
Brent Farese
Signature
February 28, 2012
Date
Brent L. Farese - 63,617
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 10

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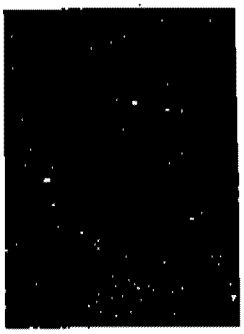
CH $80.00 121095 11453129



ASSIGNMENT AND ASSUMPTION AGREEMENT

This Assignment and Assumption Agreement (the "Agreement") is effective January 21, 2003 (the "Effective Date") and is among Third Millennium Engineering, LLC., a Delaware limited liability company of Summit, New Jersey ("Millennium"), Third Millennium Enterprises, LLC ("Enterprises") and SpineCore, Inc., a Delaware corporation of Summit New Jersey (the "Company").

Millennium or Enterprises owns or controls certain inventions which are embodied by or encompassed in certain issued patents and pending patent applications, as identified in attached Schedule (collectively, the "Inventions").

For good and sufficient consideration, Millennium and Enterprises hereby irrevocably sells and assigns to the Company, and the Company hereby assumes, Millennium's and Enterprises' entire right, title, and interest in the Inventions throughout the world, and in and to all applications for patent and patents for the Inventions, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof, and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date set forth above.

Third Millennium Engineering, LLC

By: Joseph P. Errico, Esq

Title: Manager

Date: 1/21/03

SpineCore, Inc.

By: Joseph P. Errico, Esq.

Title: CEO

Date: 1/21/03

Third Millennium Enterprises, LLC

By: Joseph P. Errico, Esq

Title: Manager

Date: 1/21/03

Schedule of Patents and Patent Applications

Title	Country	Particulars
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint With a Solid Ball and Compression Locking Post	USA	US Application Serial No. 10/256,160 Filed 26-Sep-2002
Artificial Intervertebral Disc Having a Captured Ball and Socket Joint With a Solid Ball and Compression Locking Post	USA	US Application Serial No. 10/294,981 Filed 14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint With a Compression Locking Post and a Solid Ball Having a Protrusion	USA	US Application Serial No. 10/294,985 Filed 14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint with a Solid Ball, a Compression Locking Post and an Interference Pin	USA	US Application Serial No. 10/294,986 Filed 14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint with a Solid Ball, a Compression Locking Post and an Interference Ball Bearing	USA	US Application Serial No. 10/294,989 Filed 14-Nov-2002
Artificial Intervertebral Disc Having a Captured Ball and Socket Joint With a Solid Ball and Retaining Cap	USA	US Application Serial No. 10/294,983 Filed 14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint With a Solid Ball and Retaining Cap	USA	US Application Serial No. 10/294,982 Filed 14-Nov-2002

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Title	Country	Particulars
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint With a Retaining Cap and a Solid Ball Having a Protrusion	USA	US Application Serial No. 10/294,984 Filed14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint with a Solid Ball, a Retaining Cap, and an Interference Pin	USA	US Application Serial No. 10/294,980 Filed 14-Nov-2002
Artificial Intervertebral Disc Having Limited Rotation Using a Captured Ball and Socket Joint with a Solid Ball, a Retaining Cap, and an Interference Ball Bearing	USA	US Application Serial No. 10/294,988 Filed 14-Nov-2002
Intervertebral Spacer Device	USA	United States Patent No. 5,989,291 Issued 23-Nov-1999
Intervertebral Spacer Device Having a Radially Thinning Belleville Spring	USA	US Application Serial No. 09/968,047 Filed 1-Oct-2001
Intervertebral Spacer Device Utilizing a Belleville Washer Having Radially Extending Grooves	USA	US Application Serial No. 09/968,046 Filed 1-Oct-2001
Intervertebral Spacer Device Having a Radially Thinning Slotted Belleville Spring	USA	US Application Serial No. 09/968,045 Filed 1-Oct-2001
Intervertebral Spacer Device Utilizing a Spirally Slotted Belleville Washer Having Radially Extending Grooves	USA	US Application Serial No. 09/970,479 Filed 4-Oct-2001

Title	Country	Particulars
Intervertebral Spacer Device Utilizing a Belleville Washer Having Radially Spaced Concentric Grooves	USA	US Application Serial No. 09/974,154 Filed 11-Oct-2001
Intervertebral Spacer Device Utilizing a Spirally Slotted Belleville Washer Having Radially Spaced Concentric Grooves	USA	US Application Serial No. 09/975,471 Filed 11-Oct-2001
Intervertebral Spacer Device Utilizing a Spirally Slotted Belleville Washer and a Rotational Mounting	USA	US Application Serial No. 10/040,801 Filed 7-Jan-2002
Tension Bearing Artificial Disc Providing a Centroid of Motion Centrally Located Within an Intervertebral Space	USA	US Application Serial No. 10/151,280 Filed 20-May-2002
Artificial Intervertebral Disc Utilizing a Ball Joint Coupling	USA	US Application Serial No. 10/175,417 Filed 19-Jun-2002
Artificial Intervertebral Disc Having a Slotted Belleville Washer Force Restoring Element	PCT	PCT Application Serial No. PCT/US02/19660 Filed 19-Jun-2002
Artificial Intervertebral Disc Having a Grooved Belleville Washer Force Restoring Element	PCT	PCT Application Serial No. PCT/US02/19654 Filed 19-Jun-2002
Artificial Intervertebral Disc Having a Slotted Belleville Washer Force Restoring Element	USA	US Application Serial No. 10/177,013 Filed 21-Jun-2002
Intervertebral Spacer Device Having Arch Shaped Spring Elements	USA	US Application Serial No. 09/982,148

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Title	Country	Particulars
		Filed 18-Oct-2001
Intervertebral Spacer Device Having a Domed Arch Shaped	USA	US Application Serial No. 10/035,640 Filed 9-Nov-2001
Intervertebral Spacer Device Having a Slotted Domed Arch Strip Spring	USA	US Application Serial No. 10/035,614 Filed 9-Nov-2001
Intervertebral Spacer Device Having a Slotted Partial Circular Domed Arch Strip Spring	USA	US Application Serial No. 10/035,669 Filed 9-Nov-2001
Intervertebral Spacer Device Having a Multi-Pronged Domed Spring	USA	US Application Serial No. 10/035,668 Filed 9-Nov-2001
Artificial Intervertebral Disc Having an Arched Spring Force Restoring Element	PCT	PCT Application Serial No. PCT/US02/19656 Filed 19-Jun-2002
Intervertebral Spacer Device Having a Wave Washer Force Restoring Element	USA	US Patent No. 6,468,310 Issued 22-Oct-2002
Intervertebral Spacer Device Having a Spiral Wave Washer Force Restoring Element	USA	US Application Serial No. 09/906,118 (Allowed Claims) Filed 16-Jul-2001
Artificial Intervertebral Disc Having a Wave Washer Force Restoring Element	PCT	PCT Application Serial No. PCT/US02/19659 Filed 19-Jun-2002
Artificial Intervertebral Disc Having a Wave Washer Force Restoring Element	USA	US Application Serial No. 10/177,377 Filed 21-Jun-2002

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Title	Country	Particulars
Intervertebral Spacer Device Having a Wave Washer Force Restoring Element	USA	US Application Serial No. 10/272,580 Filed 16-Oct-2002
Artificial Intervertebral Disc Having a Spider Spring Force Restoring Element	PCT	PCT Application Serial No. PCT/US02/19651 Filed 19-Jun-2002
Artificial Intervertebral Disc Having a Spider Spring Force Restoring Element	USA	US Application Serial No. 10/177,378 Filed 21-Jun-2002
Intervertebral Spacer Having a Flexible Wire Mesh Vertebral Body Contact Element	USA	US Application Serial No. 10/128,619 Filed 23-Apr-2002
Artificial Intervertebral Disc Having a Flexible Wire Mesh Vertebral Body Contact Element	USA	US Application Serial No. 10/140,153 Filed 7-May-2002
Artificial Intervertebral Disc Having a Deformable Wire Mesh Vertebral Body Contact Element	PCT	PCT Application Serial No. PCT/US02/19657 Filed 19-Jun-2002
Instrumentation and Methods For Use In Implanting an Artificial Disc	USA	US Application Serial No. 10/282,356 Filed 29-Oct-2002
Method of Surgically Treating Scoliosis	USA	US Patent No. 6,447,548 Issued 10-Sep-2002
Trial Intervertebral Distraction Spacers	USA	US Application Serial No. 09/906,119 Filed 16-Jul-2001

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Title	Country	Particulars
Insertion Tool For Use With Trial Intervertebral Distraction Spacers	USA	US Patent No. 6,428,544 Issued 6-Aug-2002
Insertion Tool For Use With Tapered Trial Intervertebral Distraction Spacers	USA	US Patent No. 6,478,801 Issued 12-Nov-2002
Porous Intervertebral Distraction Spacers	USA	US Patent No. 6,471,725 Issued 29-Oct-2002
Surgical Method of Treating Scoliosis	USA	US Application Serial No. 09/906,124 Filed 16-Jul-2001
Method of Distracting Vertebral Bones	USA	US Patent No. 6,436,102 Issued 20-Aug-2002
Vertebral Bone Distraction Instruments	USA	US Application Serial No. 09/906,126 Filed 16-Jul-2001
Instruments for Reorienting Vertebral Bones for the Treatment of Scoliosis	USA	US Application Serial No. 09/906,134 Filed 16-Jul-2001
Insertion Tool For Use With Intervertebral Spacers	USA	US Application Serial No. 09/906,127 Filed 16-Jul-2001
Insertion Tool For Use With Trial Intervertebral Distraction Spacers	USA	US Application Serial No. 10/115,751 Filed 3-Apr-2002
Method of Distracting Vertebral Bones	USA	US Application Serial No. 10/222,332 Filed 16-Aug-2002
Method of Surgically Treating Scoliosis	USA	US Application Serial No. 10/223,146 Filed 19-Aug-2002

Title	Country	Particulars
Porous Intervertebral Distraction Spacers	USA	US Application Serial No. 10/223,148 Filed 4-Oct-2002
Insertion Tool For Use With Tapered Trial Intervertebral Distraction Spacers	USA	US Application Serial No. 10/223,147 Filed 19-Aug-2002
Static Trials and Related Instruments and Methods for Use in Implanting an Artificial Intervertebral Disc	USA	US Application Serial No. 10/309,585 Filed 4-Dec-2002
Femoral Ring Loader	USA	US Patent No. 6,440,142 Issued 27-Aug-2002
Distraction Instrument for use in Anterior Cervical Fixation Surgery	USA	US Application Serial No. 10/003,000 Filed 30-Nov-2001
Spacer Device and Insertion Instrument for use in Anterior Cervical Fixation Surgery	USA	US Application Serial No. 10/001,531 Filed 30-Nov-2001
Femoral Ring Loader	USA	US Application Serial No. 10/075,688 Filed 13-Feb-2002