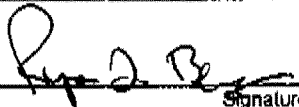


Form PTO-1595 (Rev. 03-11)
OMB No. 0851-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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.

| | |
|--|--|
| <p>1. Name of conveying party(ies): Third Millennium Engineering, LLC</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies) Name: <u>SpineCore, Inc.</u></p> <p>Internal Address: _____ Street Address: _____</p> <p>2 Pearl Court</p> <p>City: <u>Allendale</u> State: <u>New Jersey</u> Country: <u>United States of America</u> Zip: <u>07401</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| <p>3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>January 21, 2003</u></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p> | <p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) <u>10/784,637</u></p> <p>B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| <p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Ryan L. Bergeron</u> <u>LERNER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: SPINE 3.0-437 PPPPPC II</u> Street Address: <u>600 South Avenue West</u></p> <p>City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>908-654-5000</u> Fax Number: <u>908-654-7866</u> Email Address: <u>mccormier@ldlkm.com</u></p> | <p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p> |
| <p>8. Payment Information</p> <p>Deposit Account Number <u>12-1095</u> Authorized User Name <u>Ryan L. Bergeron</u></p> | |
| <p>9. Signature: <u></u> November 6, 2013</p> <p style="text-align: center;">Signature Date</p> <p><u>Ryan L. Bergeron - 66,377</u> Total number of pages including cover sheet, attachments, and documents: 10</p> <p style="text-align: center;">Name of Person Signing</p> | |

CH \$40.00 121095 10784637

Attachment A (Short Form Assignment and Assumption Agreement)
Page 1

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.


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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

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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 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 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 |

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| 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 |

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| 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 |