

Joseph P. Errico, JD  
667 Hermitage Circle  
Palm Beach Gardens, FL 33410

Education:

Massachusetts Institute of Technology:

Bachelor of Science – Aeronautical and Astronautical Engineering 1990

Duke University School of Engineering:

Masters of Science – Mechanical Engineering and Materials Science 1993

Duke University School of Law:

Juris Doctorate – 1993

Bar Memberships:

Pennsylvania Bar (inactive)

District of Columbia Bar (active)

Patent Bar: 38,131

Experience:

Scully Scott Murphy & Presser: 1995-1996

Patent Associate

Fastenetix, LLC: 1995 to present

Privately held company in the field of spine surgery

Inventor of more than 50 patents in the orthopedic spine field

Founder, manager, and principle

SpineCore, Inc.: 2001-2004 (Sales to Stryker Spine, Inc.)

Privately held company in the artificial disc field.

Inventor of more than 150 patents in the field of orthopedic spine surgery

Founder, Chief Executive Officer, and Board Member

Stryker Spine, Inc.: 2004-2007

General Manager of the Motion Preservation Unit of Stryker Spine (post-acquisition)

K2 Medical, Inc.: 2003- circa 2010 (exited during recapitalization by Welsh Carson)

Assignor of 35 spinal orthopedics patents to seed the company and provide initial products

Founder, Principle Investor

electroCore, Inc.: 2005-present

Founded the neuromodulation company focused on non-invasive vagus nerve stimulation. Served in various roles, including Chief Executive Officer, Chief Science & Strategy Officer, Board Member, and Consultant  
Inventor of more than 100 patents and patent applications in the field neuromodulation

Author of:

The Role of Vagus Nerve Stimulation in the Treatment of Central and Peripheral Pain Disorders and Related Comorbid Somatoform Conditions

Insulin Resistance, Glucose Metabolism, Inflammation, and the Role of Neuromodulation as a Therapy for Type-2 Diabetes

Intellectual Property Law Handbook 1995-1996: Pacific Rim Intellectual Property Law

Inventor on:

PAT. NO.			Title
1	10,537,728	Full-Text	Vagal nerve stimulation to avert or treat stroke or transient ischemic attack
2	10,512,769	Full-Text	Non-invasive magnetic or electrical nerve stimulation to treat or prevent autism spectrum disorders and other disorders of psychological development
3	10,507,325	Full-Text	Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient
4	10,441,780	Full-Text	Systems and methods for vagal nerve stimulation
5	10,384,061	Full-Text	Methods and devices for treating primary headache
6	10,384,059	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
7	10,376,696	Full-Text	Medical self-treatment using non-invasive vagus nerve stimulation
8	10,376,695	Full-Text	Mobile phone for stimulating the trigeminal nerve to treat disorders
9	10,369,005	Full-Text	Cervical disc replacement
10	10,363,419	Full-Text	Nerve stimulator system
11	10,363,415	Full-Text	Devices and methods for non-invasive electrical stimulation and their use for Vagal nerve stimulation
12	10,350,411	Full-Text	Devices and methods for treating medical disorders with evoked potentials and vagus nerve stimulation
13	10,335,593	Full-Text	Devices and methods for monitoring non-invasive vagus nerve stimulation
14	10,293,160	Full-Text	Mobile phone for treating a patient with dementia
15	10,286,212	Full-Text	Nerve stimulation methods for averting imminent onset or episode of a disease
16	10,286,211	Full-Text	Systems and methods for vagal nerve stimulation
17	10,279,163	Full-Text	Electrical and magnetic stimulators used to treat migraine/sinus headache, rhinitis, sinusitis, rhinosinusitis, and comorbid disorders
18	10,265,523	Full-Text	Non-invasive treatment of neurodegenerative diseases

19	10,252,074	Full-Text	Nerve stimulation methods for averting imminent onset or episode of a disease
20	10,232,178	Full-Text	Non-invasive magnetic or electrical nerve stimulation to treat or prevent dementia
21	10,232,177	Full-Text	Mobile phone using non-invasive nerve stimulation
22	10,232,174	Full-Text	Non-invasive electrical and magnetic nerve stimulators used to treat overactive bladder and urinary incontinence
23	10,220,207	Full-Text	Nerve stimulation methods for averting imminent onset or episode of a disease
24	10,213,601	Full-Text	Non-invasive vagus nerve stimulation devices and methods to treat or avert atrial fibrillation
25	10,213,322	Full-Text	Intervertebral disc and insertion methods therefor
26	10,207,106	Full-Text	Non-invasive magnetic or electrical nerve stimulation to treat gastroparesis, functional dyspepsia, and other functional gastrointestinal disorders
27	10,173,048	Full-Text	Electrical and magnetic stimulators used to treat migraine/sinus headache, rhinitis, sinusitis, rhinosinusitis, and comorbid disorders
28	10,159,578	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
29	10,016,615	Full-Text	Non-invasive treatment of bronchial constriction
30	9,821,164	Full-Text	Electrical treatment of bronchial constriction
31	9,814,596	Full-Text	Method of orienting an intervertebral spacer device having recessed notch pairs by using a surgical tool
32	9,782,272	Full-Text	Intervertebral disc and insertion methods therefor
33	9,717,904	Full-Text	Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient
34	9,700,429	Full-Text	Intervertebral spacer device having recessed notch pairs for manipulation using a surgical tool
35	9,656,074	Full-Text	Nerve stimulator system
36	9,623,240	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
37	9,622,882	Full-Text	Intervertebral disc and insertion methods therefor
38	9,603,716	Full-Text	Intervertebral disc replacement
39	9,566,426	Full-Text	Systems and methods for vagal nerve stimulation
40	9,555,260	Full-Text	Non-invasive treatment of bronchial constriction
41	9,526,634	Full-Text	Intervertebral disc and insertion methods therefor
42	9,468,763	Full-Text	Systems and methods for electrical stimulation of sphenopalatine ganglion and other branches of cranial nerves
43	9,427,581	Full-Text	Devices and methods for treating medical disorders with evoked potentials and vagus nerve stimulation
44	9,415,219	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
45	9,403,001	Full-Text	Non-invasive magnetic or electrical nerve stimulation to treat gastroparesis, functional dyspepsia, and other functional gastrointestinal disorders
46	9,399,134	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
47	9,375,571	Full-Text	Mobile phone using non-invasive nerve stimulation
48	9,358,381	Full-Text	Non-invasive vagal nerve stimulation to treat disorders

49	9,339,653	Full-Text	Electrical stimulation treatment of hypotension
50	9,333,347	Full-Text	Devices and methods for non-invasive electrical stimulation and their use for vagal nerve stimulation on the neck of a patient
51	9,327,118	Full-Text	Non-invasive treatment of bronchial constriction
52	9,295,574	Full-Text	Systems and methods for treating obesity and type 2 diabetes
53	9,283,390	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
54	9,273,031	Full-Text	Combination therapy with MDM2 and EGFR inhibitors
55	9,254,383	Full-Text	Devices and methods for monitoring non-invasive vagus nerve stimulation
56	9,248,286	Full-Text	Medical self-treatment using non-invasive vagus nerve stimulation
57	9,242,092	Full-Text	Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient
58	9,233,258	Full-Text	Magnetic stimulation devices and methods of therapy
59	9,233,246	Full-Text	Methods and devices for treating primary headache
60	9,226,837	Full-Text	Intervertebral disc and insertion methods therefor
61	9,211,182	Full-Text	Anti-reflux devices and methods for treating gastro-esophageal reflux disease (GERD)
62	9,205,258	Full-Text	Nerve stimulator system
63	9,174,049	Full-Text	Systems and methods for electrical stimulation of sphenopalatine ganglion and other branches of cranial nerves
64	9,174,045	Full-Text	Non-invasive electrical and magnetic nerve stimulators used to treat overactive bladder and urinary incontinence
65	9,149,614	Full-Text	Systems and methods for treatment of obesity and type 2 diabetes
66	9,126,050	Full-Text	Non-invasive vagus nerve stimulation devices and methods to treat or avert atrial fibrillation
67	9,119,953	Full-Text	Non-invasive treatment of a medical condition by vagus nerve stimulation
68	9,095,451	Full-Text	Intervertebral disc and insertion methods therefor
69	9,089,719	Full-Text	Non-invasive methods and devices for inducing euphoria in a patient and their therapeutic application
70	9,073,858	Full-Text	Methods of targeted drug development
71	9,067,054	Full-Text	Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient
72	9,043,001	Full-Text	Methods and devices for treating primary headache
73	9,037,247	Full-Text	Non-invasive treatment of bronchial constriction
74	9,037,246	Full-Text	Electrical stimulation treatment of bronchial constriction
75	9,028,552	Full-Text	Cervical disc replacement
76	9,023,354	Full-Text	Combination therapy with MDM2 and EGFR inhibitors
77	9,020,598	Full-Text	Methods and devices for treating primary headache
78	9,014,823	Full-Text	Methods and devices for treating primary headache

79	8,983,629	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
80	8,983,628	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
81	8,972,004	Full-Text	Magnetic stimulation devices and methods of therapy
82	8,961,608	Full-Text	Intervertebral disc replacement
83	8,948,873	Full-Text	Electrical stimulation treatment of hypotension
84	8,940,047	Full-Text	Intervertebral spacer device having recessed notch pairs for manipulation using a surgical tool
85	8,936,640	Full-Text	Cervical disc replacement
86	8,934,977	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
87	8,918,178	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
88	8,911,392	Full-Text	Systems and methods for treatment of obesity and type 2 diabetes
89	8,874,227	Full-Text	Devices and methods for non-invasive capacitive electrical stimulation and their use for vagus nerve stimulation on the neck of a patient
90	8,874,205	Full-Text	Device and methods for non-invasive electrical stimulation and their use for vagal nerve stimulation
91	8,868,177	Full-Text	Non-invasive treatment of neurodegenerative diseases
92	8,858,564	Full-Text	Wedge plate inserter/impactor and related methods for use in implanting an artificial intervertebral disc
93	8,843,210	Full-Text	Non-invasive vagal nerve stimulation to treat disorders
94	8,840,537	Full-Text	Non-invasive treatment of bronchial constriction
95	8,812,112	Full-Text	Electrical treatment of bronchial constriction
96	8,777,959	Full-Text	Intervertebral disc and insertion methods therefor
97	8,758,358	Full-Text	Instrumentation for repositioning and extraction an artificial intervertebral disc from an intervertebral space
98	8,755,891	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
99	8,676,330	Full-Text	Electrical and magnetic stimulators used to treat migraine/sinus headache and comorbid disorders
100	8,676,324	Full-Text	Electrical and magnetic stimulators used to treat migraine/sinus headache, rhinitis, sinusitis, rhinosinusitis, and comorbid disorders
101	8,658,170	Full-Text	Combination therapy with MDM2 and EGFR inhibitors
102	8,636,804	Full-Text	Instrumentation for properly seating an artificial intervertebral disc in an intervertebral space
103	8,618,302	Full-Text	Methods and compositions of targeted drug development
104	8,612,004	Full-Text	Electrical stimulation treatment of hypotension
105	8,591,452	Full-Text	Systems and methods for treating obesity and type 2 diabetes
106	8,574,184	Full-Text	Systems and methods for treatment of obesity and type 2 diabetes
107	8,545,564	Full-Text	Intervertebral spacer device having an articulation member and housing
108	8,496,608	Full-Text	Systems and methods for treating obesity and type 2

diabetes			
109	8,483,835	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
110	8,475,401	Full-Text	Systems and methods for treating obesity and type 2 diabetes
111	8,435,297	Full-Text	Intervertebral disc replacement
112	8,425,609	Full-Text	Artificial intervertebral disc having a bored semispherical bearing with a compression locking post and retaining caps
113	8,403,877	Full-Text	Systems and methods for treatment of obesity and type 2 diabetes
114	8,366,775	Full-Text	Intervertebral spacer device having an angled perimeter for manipulation using a surgical tool
115	8,357,167	Full-Text	Artificial intervertebral disc trials with baseplates having inward tool engagement holes
116	8,323,292	Full-Text	Adjustable pin drill guide and methods therefor
117	8,303,659	Full-Text	Intervertebral spacer device having engagement hole pairs
118	D669,188	Full-Text	Stimulator
119	8,233,988	Full-Text	Electrical stimulation treatment of hypotension
120	8,231,628	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
121	8,204,598	Full-Text	Methods and apparatus for treating bronchial restriction using electrical modulation
122	8,147,552	Full-Text	Intervertebral implant having features for controlling angulation thereof
123	8,109,979	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
124	8,099,167	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
125	8,070,814	Full-Text	Artificial intervertebral disc having an articulating joint
126	8,041,428	Full-Text	Electrical stimulation treatment of hypotension
127	8,029,568	Full-Text	Intervertebral spacer device having a slotted partial circular domed arch strip spring
128	8,010,197	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
129	RE42,545	Full-Text	Polyaxial pedicle screw having a threaded and tapered compression locking mechanism
130	7,904,159	Full-Text	Electrical stimulation treatment of hypotension
131	7,869,880	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
132	7,869,879	Full-Text	Electrical stimulation treatment of hypotension
133	7,842,043	Full-Text	Instrumentation for inserting and impacting an artificial intervertebral disc in an intervertebral space
134	7,811,289	Full-Text	Artificial intervertebral disc trial having a controllably separable distal end

135	7,811,287	Full-Text	Intervertebral spacer device having an engagement hole for a tool with an extendable post
136	7,747,324	Full-Text	Electrical stimulation treatment of bronchial constriction
137	7,725,188	Full-Text	Electrical stimulation treatment of hypotension
138	7,711,430	Full-Text	Methods and apparatus for treating anaphylaxis using electrical modulation
139	7,708,780	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
140	7,674,292	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
141	7,662,182	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
142	7,648,511	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
143	7,641,665	Full-Text	Instrumentation and methods for use in implementing a cervical disc replacement device
144	7,641,654	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
145	7,637,911	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
146	7,635,368	Full-Text	Intervertebral spacer device having simultaneously engageable angled perimeters for manipulation using a surgical tool
147	7,632,281	Full-Text	Instrumentation for manipulating artificial intervertebral disc trials having a cylindrical engagement surface
148	7,621,957	Full-Text	Porous interbody fusion device having integrated polyaxial locking interference screws
149	7,618,439	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
150	7,603,911	Full-Text	Joint simulator testing machine
151	7,491,241	Full-Text	Intervertebral spacer device having recessed notch pairs for manipulation using a surgical tool
152	7,468,076	Full-Text	Artificial intervertebral disc having a universal joint
153	7,452,380	Full-Text	Artificial intervertebral disc having an articulating joint
154	7,445,912	Full-Text	Stabilized proteins
155	7,393,361	Full-Text	Artificial intervertebral disc having a bored semispherical bearing with a compression locking post and retaining caps
156	7,357,038	Full-Text	Joint simulator testing machine
157	7,314,487	Full-Text	Intervertebral spacer device having a wave washer force restoring element
158	7,314,486	Full-Text	Artificial intervertebral disc having a wave washer force restoring element
159	7,284,446	Full-Text	Joint simulator testing machine
160	7,261,739	Full-Text	Intervertebral spacer device having arch shaped spring element

161	7,258,699	Full-Text	Artificial intervertebral disc having a captured ball and socket joint with a solid ball and retaining cap
162	7,235,081	Full-Text	Wedge plate inserter/impactor and related methods for use in implanting an artificial intervertebral disc
163	7,226,452	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
164	7,223,291	Full-Text	Intervertebral spacer device having engagement hole pairs for manipulation using a surgical tool
165	7,223,290	Full-Text	Axially compressible artificial intervertebral disc having a captured ball and socket joint with a solid ball and compression locking post
166	7,214,244	Full-Text	Artificial intervertebral disc having an articulating joint
167	7,198,643	Full-Text	Cervical disc replacement
168	7,186,268	Full-Text	Axially compressible artificial intervertebral disc having a captured ball and socket joint with a solid ball and retaining cap
169	7,169,182	Full-Text	Implanting an artificial intervertebral disc
170	7,163,559	Full-Text	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
171	7,160,327	Full-Text	Axially compressible artificial intervertebral disc having limited rotation using a captured ball and socket joint with a solid ball and compression locking post
172	7,144,426	Full-Text	Intervertebral spacer device having a slotted domed arch strip spring
173	7,141,070	Full-Text	Intervertebral spacer device having a domed arch shaped spring
174	7,141,069	Full-Text	Axially compressible artificial intervertebral disc having limited rotation using a captured ball and socket joint with a solid ball and retaining cap
175	7,131,338	Full-Text	Joint simulator testing machine
176	7,122,055	Full-Text	Artificial intervertebral disc having a spider spring force restoring element
177	7,118,599	Full-Text	Artificial intervertebral disc
178	7,115,132	Full-Text	Static trials and related instruments and methods for use in implanting an artificial intervertebral disc
179	7,101,399	Full-Text	Artificial intervertebral disc having a captured ball and socket joint with a solid ball and compression locking post
180	7,066,959	Full-Text	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
181	7,060,098	Full-Text	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
182	7,044,970	Full-Text	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
183	7,044,969	Full-Text	Artificial intervertebral disc having limited rotation using a



			captured ball and socket joint with a retaining cap and a solid ball having a protrusion
184	7,040,177	Full-Text	Joint simulator testing machine
185	RE39,089	Full-Text	Polyaxial pedicle screw having a threaded and tapered compression locking mechanism
186	7,037,894	Full-Text	Stabilized proteins
187	7,022,139	Full-Text	Artificial intervertebral disc having limited rotation using a captured ball and socket joint with a solid ball and retaining cap
188	7,014,658	Full-Text	Intervertebral spacer device having a multi-pronged domed spring
189	6,997,955	Full-Text	Cervical disc replacement
190	6,997,954	Full-Text	Cervical disc replacement method
191	6,994,729	Full-Text	Cervical disc replacement
192	6,994,728	Full-Text	Cervical disc replacement method
193	6,989,032	Full-Text	Artificial intervertebral disc
194	6,972,038	Full-Text	Cervical disc replacement
195	6,972,037	Full-Text	Cervical disc replacement
196	6,932,844	Full-Text	Intervertebral spacer device having a slotted domed arch strip spring
197	6,908,484	Full-Text	Cervical disc replacement
198	6,896,676	Full-Text	Instrumentation and methods for use in implanting a cervical disc replacement device
199	6,887,273	Full-Text	Intervertebral spacer device having a domed arch shaped spring
200	6,869,446	Full-Text	Intervertebral spacer device having a domed arch shaped spring
201	6,865,954	Full-Text	Joint simulator testing machine
202	6,780,186	Full-Text	Anterior cervical plate having polyaxial locking screws and sliding coupling elements
203	6,758,861	Full-Text	Intervertebral spacer device having a wave washer force restoring element
204	6,723,127	Full-Text	Artificial intervertebral disc having a wave washer force restoring element
205	6,673,113	Full-Text	Intervertebral spacer device having arch shaped spring elements
206	6,669,731	Full-Text	Intervertebral spacer device having a slotted domed arch strip spring
207	6,645,249	Full-Text	Intervertebral spacer device having a multi-pronged domed spring
208	6,610,092	Full-Text	Intervertebral spacer device having a slotted partial circular domed arch strip spring
209	6,558,387	Full-Text	Porous interbody fusion device having integrated polyaxial locking interference screws
210	6,546,293	Full-Text	Hook-shaped spinal cord electrode assembly having a telescoping electrode

211	6,527,806	Full-Text	Intervertebral spacer device having a spiral wave washer force restoring element
212	6,468,310	Full-Text	Intervertebral spacer device having a wave washer force restoring element
213	6,356,792	Full-Text	Skull mounted electrode lead securing assembly
214	6,324,433	Full-Text	Electrode-lead coupling skull mounted port assembly
215	6,175,769	Full-Text	Spinal cord electrode assembly having laterally extending portions
216	6,139,548	Full-Text	Sliding shaft variable length cross-link device for use with dual rod apparatus
217	6,063,089	Full-Text	Side mounted polyaxial pedicle screw
218	6,017,344	Full-Text	Polyaxial pedicle screw having a through bar clamp locking mechanism
219	5,997,539	Full-Text	Polyaxial pedicle screw having a compression locking rod gripping mechanism
220	5,961,518	Full-Text	Polyaxial pedicle screw having a through bar clamp locking mechanism
221	5,947,969	Full-Text	Rotatable locking vertebral body screw, staple and rod assembly
222	5,941,880	Full-Text	Coupling member for cross-linking intervertebral cage devices
223	5,925,047	Full-Text	Coupled rod, anterior vertebral body screw, and staple assembly
224	5,904,719	Full-Text	Interbody fusion device having partial circular section cross-sectional segments
225	5,899,905	Full-Text	Expansion locking vertebral body screw, staple, and rod assembly
226	5,899,904	Full-Text	Compression locking vertebral body screw, staple, and rod assembly
227	5,876,402	Full-Text	Anterior spinal polyaxial locking screw plate assembly having recessed retaining rings
228	5,817,094	Full-Text	Polyaxial locking screw and coupling element
229	5,810,819	Full-Text	Polyaxial pedicle screw having a compression locking rod gripping mechanism
230	5,810,818	Full-Text	Spinal hook implant having a low blade and S swivel hook
231	5,800,435	Full-Text	Modular spinal plate for use with modular polyaxial locking pedicle screws
232	5,785,711	Full-Text	Polyaxial pedicle screw having a through bar clamp locking mechanism
233	5,776,135	Full-Text	Side mounted polyaxial pedicle screw
234	5,752,955	Full-Text	Sliding shaft variable length cross-link device for use with dual rod apparatus
235	5,735,851	Full-Text	Modular polyaxial locking pedicle screw
236	5,733,286	Full-Text	Rod securing polyaxial locking screw and coupling element

assembly			
237	5,733,285	Full-Text	Polyaxial locking mechanism
238	5,725,588	Full-Text	Acetabular cup having polyaxial locking screws
239	5,725,528	Full-Text	Modular polyaxial locking pedicle screw
240	5,713,904	Full-Text	Selectively expandable sacral fixation screw-sleeve device
241	5,709,684	Full-Text	Advanced compression locking variable length cross-link device
242	5,707,372	Full-Text	Multiple node variable length cross-link device
243	5,690,630	Full-Text	Polyaxial pedicle screw
244	5,688,274	Full-Text	Spinal implant device having a single central rod and claw hooks
245	5,688,273	Full-Text	Spinal implant apparatus having a single central rod and plow hooks
246	5,669,911	Full-Text	Polyaxial pedicle screw
247	5,667,507	Full-Text	Compression locking variable length cross-link device for use with dual rod apparatus
248	5,653,763	Full-Text	Intervertebral space shape conforming cage device
249	5,647,873	Full-Text	Bicentric polyaxial locking screw and coupling element
250	5,643,265	Full-Text	Dynamic compression polyaxial locking screw plate assembly
251	5,609,594	Full-Text	Extending hook and polyaxial coupling element device for use with side loading rod fixation devices
252	5,609,593	Full-Text	Advanced polyaxial locking hook and coupling element device for use with top loading rod fixation devices
253	5,586,984	Full-Text	Polyaxial locking screw and coupling element assembly for use with rod fixation apparatus
254	5,584,834	Full-Text	Polyaxial locking screw and coupling element assembly for use with side loading rod fixation apparatus
255	5,578,033	Full-Text	Advanced polyaxial locking hook and coupling element device for use with side loading rod fixation devices
256	5,575,792	Full-Text	Extending hook and polyaxial coupling element device for use with top loading rod fixation devices
257	5,554,157	Full-Text	Rod securing polyaxial locking screw and coupling element assembly
258	5,549,608	Full-Text	Advanced polyaxial locking screw and coupling element device for use with rod fixation apparatus
259	5,543,187	Full-Text	Amorphous metal - ceramic composite material
260	5,531,746	Full-Text	Posterior spinal polyaxial locking lateral mass screw plate assembly
261	5,520,690	Full-Text	Anterior spinal polyaxial locking screw plate assembly