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(12) **United States Design Patent**  
**Cain**

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- (54) **SPINAL IMPLANT**
- (71) Applicant: **MIRUS LLC**, Marietta, GA (US)
- (72) Inventor: **David Brett Cain**, Marietta, GA (US)
- (73) Assignee: **MIRUS LLC**, Marietta, GA (US)
- (\*\*) Term: **15 Years**
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- (51) **LOC (13) Cl.** ..... **24-03**
- (52) **U.S. Cl.** ..... **D24/155**  
USPC ..... **D24/155**
- (58) **Field of Classification Search**  
USPC ..... D24/155  
CPC ..... A61F 2/4611; A61F 2/442; A61F 2/447;  
A61F 2220/0025; A61F 2310/00023;  
A61F 2310/00017; A61F 2002/4475;  
A61F 2002/30841; A61F 2002/2835;  
A61F 2002/30904; A61F 2002/30785;  
A61F 2002/443; A61F 2002/30578  
See application file for complete search history.

9,681,966	B2	6/2017	Knapp et al.
9,700,431	B2	6/2017	Nebosky et al.
9,724,203	B2	8/2017	Nebosky et al.
D809,661	S	2/2018	Mueller
D815,281	S	4/2018	Chang et al.
10,271,958	B2	4/2019	Schauffer et al.
10,369,009	B2*	8/2019	Joly ..... A61F 2/30734
D870,288	S	12/2019	Dang
10,512,545	B2	12/2019	Arnone
10,517,739	B2	12/2019	Ryan
10,709,570	B2	7/2020	Stauffer et al.
10,744,003	B2*	8/2020	Ryan ..... A61F 2/447
D920,515	S *	5/2021	Miller ..... D24/155
D920,516	S *	5/2021	Miller ..... D24/155
D920,517	S *	5/2021	Miller ..... D24/155
11,147,679	B2*	10/2021	Kowalczyk ..... A61F 2/4202
2009/0048675	A1	2/2009	Bhatnagar et al.
2012/0197413	A1	8/2012	Kyomoto et al.

(Continued)

*Primary Examiner* — Charles D Hanson  
(74) *Attorney, Agent, or Firm* — Ulmer & Berne, LLP;  
Brian E. Turung

(57) **CLAIM**

The ornamental design for a spinal implant, as shown and described.

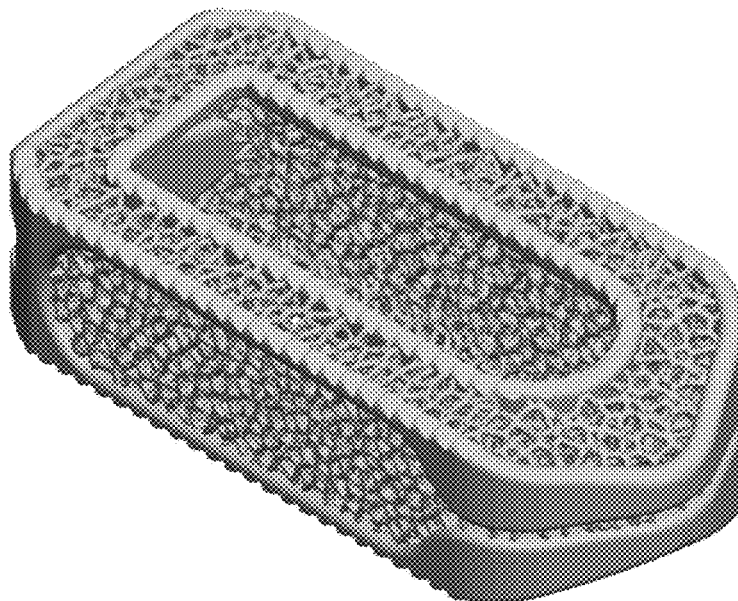
**DESCRIPTION**

FIG. 1 is a side elevation view of a spinal implant in accordance with the new design;  
FIG. 2 is a front plan view of the spinal implant of FIG. 1;  
FIG. 3 is a back plan view of the spinal implant of FIG. 1;  
FIG. 4 is a top plan view of the spinal implant of FIG. 1;  
FIG. 5 is a bottom plan view of the spinal implant of FIG. 1;  
FIG. 6 is a side plan view of the spinal implant of FIG. 1; and,  
FIG. 7 is an opposite side plan view of the spinal implant of FIG. 1.

**1 Claim, 4 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS

3,867,728	A	2/1975	Stubstad
4,955,908	A	9/1990	Frey et al.
5,496,372	A	3/1996	Hamamoto et al.
5,545,229	A	8/1996	Parsons et al.
5,609,635	A	3/1997	Michelson
7,001,551	B2	2/2006	Meredith
D625,821	S	10/2010	Goncalves et al.
9,295,562	B2	3/2016	Lechmann et al.
9,345,817	B2	5/2016	Papangelou et al.
D773,047	S	11/2016	Goncalves et al.
9,636,226	B2	5/2017	Hunt
9,662,157	B2	5/2017	Schneider et al.



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2012/0303128	A1	11/2012	Ulrich et al.	
2012/0321878	A1	12/2012	Landon et al.	
2015/0094813	A1*	4/2015	Lechmann .....	A61F 2/441 623/17.15
2016/0270920	A1*	9/2016	Dawson .....	A61F 2/4601
2016/0324656	A1	11/2016	Morris et al.	
2017/0020685	A1*	1/2017	Geisler .....	A61F 2/442
2017/0156880	A1	6/2017	Halverson et al.	
2018/0110624	A1*	4/2018	Arnone .....	A61F 2/30767
2018/0243097	A1	8/2018	Jones et al.	
2018/0256336	A1*	9/2018	Mueller .....	B33Y 70/00
2018/0296363	A1	10/2018	Berry	
2018/0338838	A1*	11/2018	Cryder .....	A61F 2/4611
2019/0076258	A1*	3/2019	Black .....	B33Y 80/00
2019/0083270	A1	3/2019	Milz et al.	
2019/0133783	A1	5/2019	Unger et al.	

\* cited by examiner

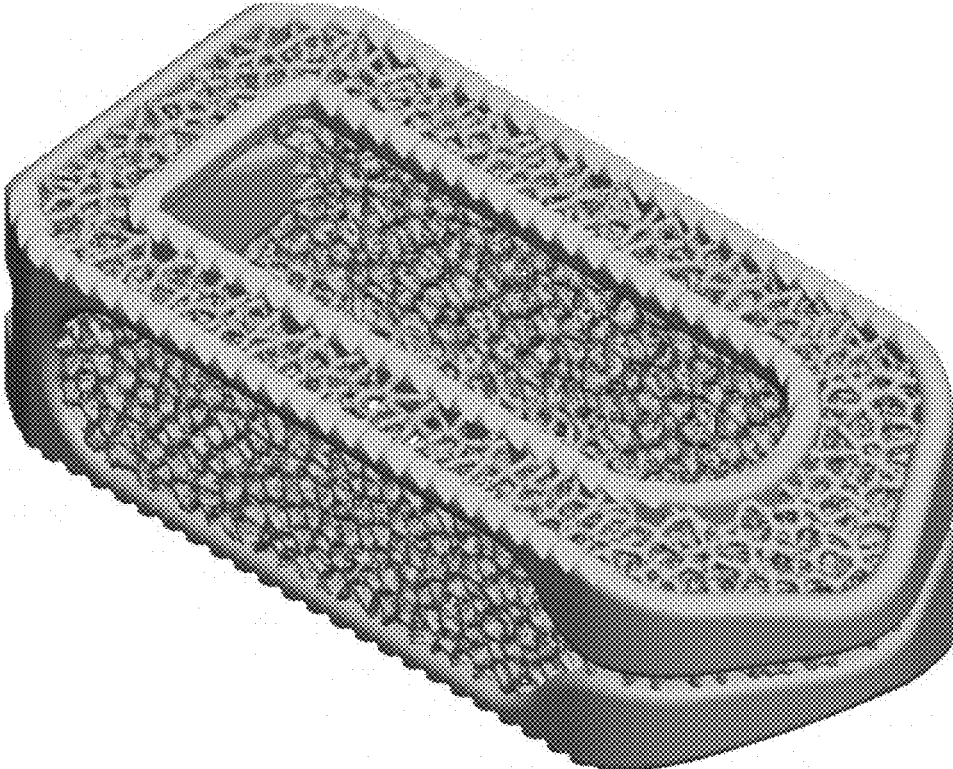


FIG. 1

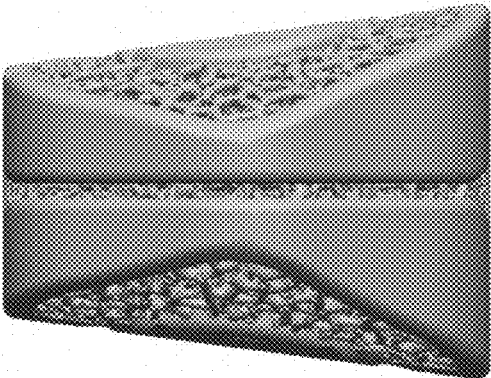


FIG. 2

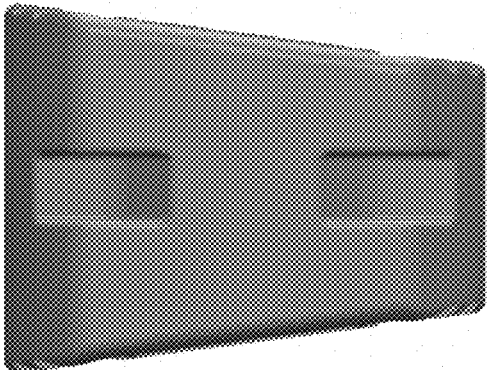


FIG. 3

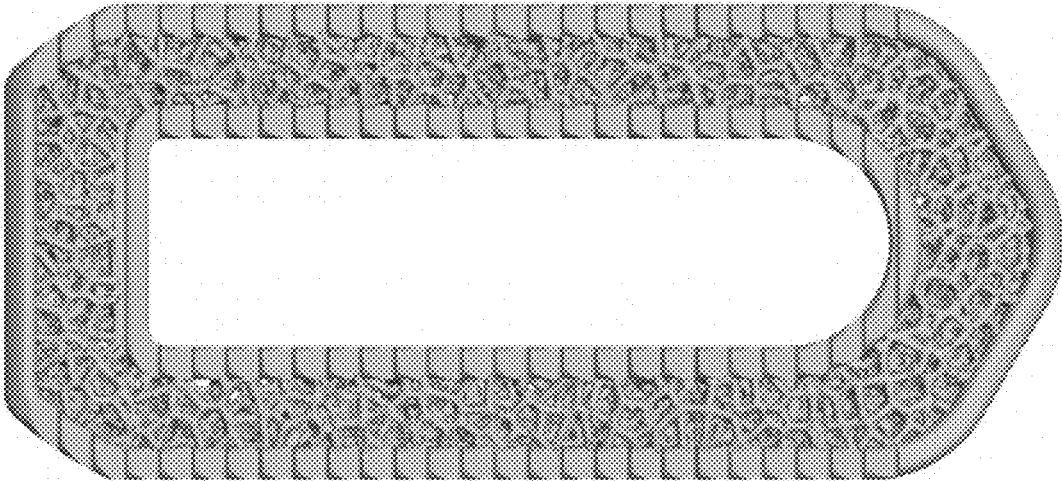


FIG. 4

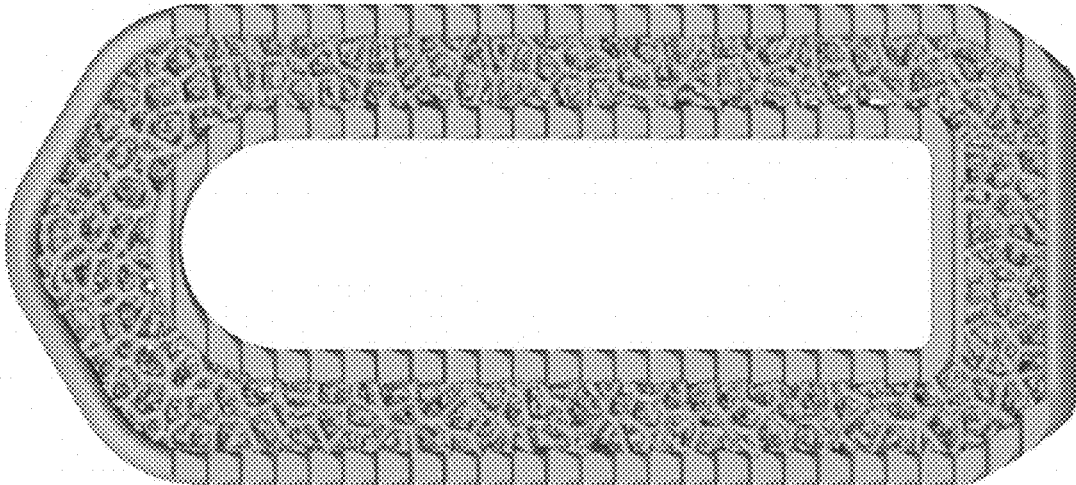


FIG. 5

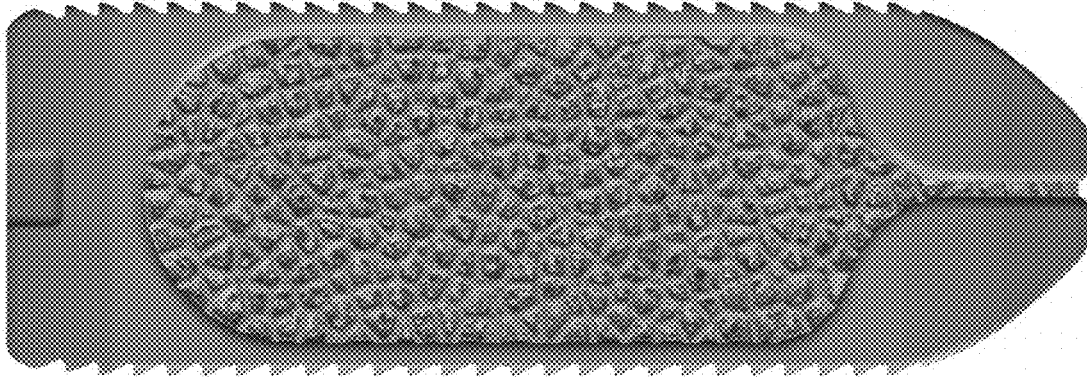


FIG. 6

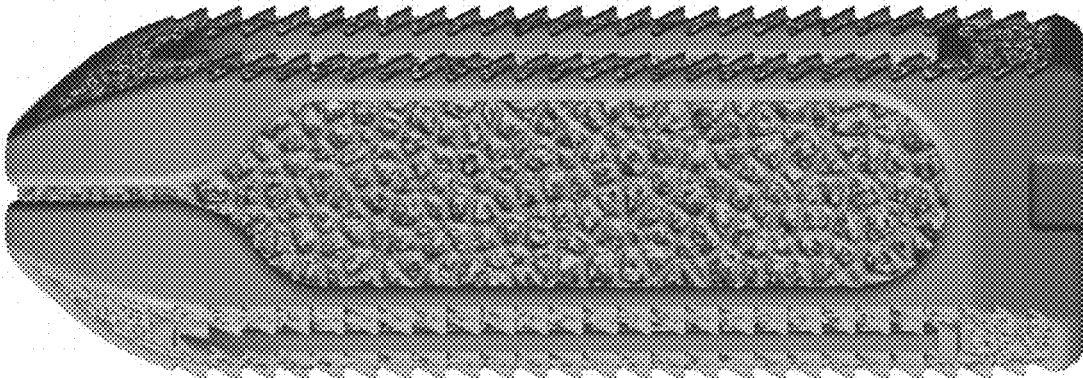


FIG. 7