



US00D377527S

# United States Patent [19]

[11] Patent Number: Des. 377,527

Michelson

[45] Date of Patent: \*\*Jan. 21, 1997

[54] **ARTIFICIAL SPINAL INFUSION IMPLANT**

[75] Inventor: Gary K. Michelson, Venice, Calif.

[73] Assignee: Sofamor Danek Group, Inc.,  
Memphis, Tenn.

[\*\*] Term: 14 Years

[21] Appl. No.: 23,921

[22] Filed: Jun. 3, 1994

[52] U.S. Cl. .... D24/155

[58] Field of Search ..... D24/155; 623/17;  
606/61, 60, 73, 72

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

5,192,327	3/1993	Brantigan	623/17
5,306,309	4/1994	Wagner et al.	606/61 X
5,397,364	3/1995	Kozak et al.	606/61 X
5,425,772	6/1995	Brantigan	623/17
5,443,514	8/1995	Steffee	623/17
5,458,638	10/1995	Kuslich et al.	606/61 X

Primary Examiner—Stella Reid  
Attorney, Agent, or Firm—Woodard, Emhardt, Naughton,  
Moriarty & McNett

[57] **CLAIM**

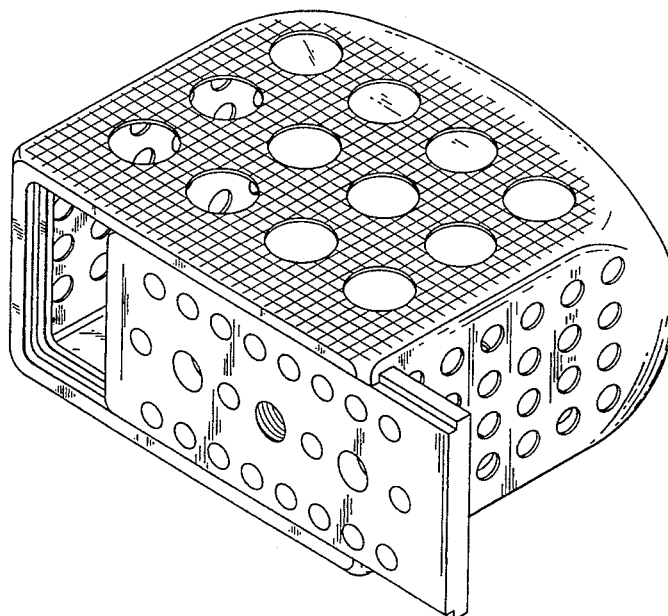
The ornamental design for the an artificial spinal infusion implant, as shown and described.

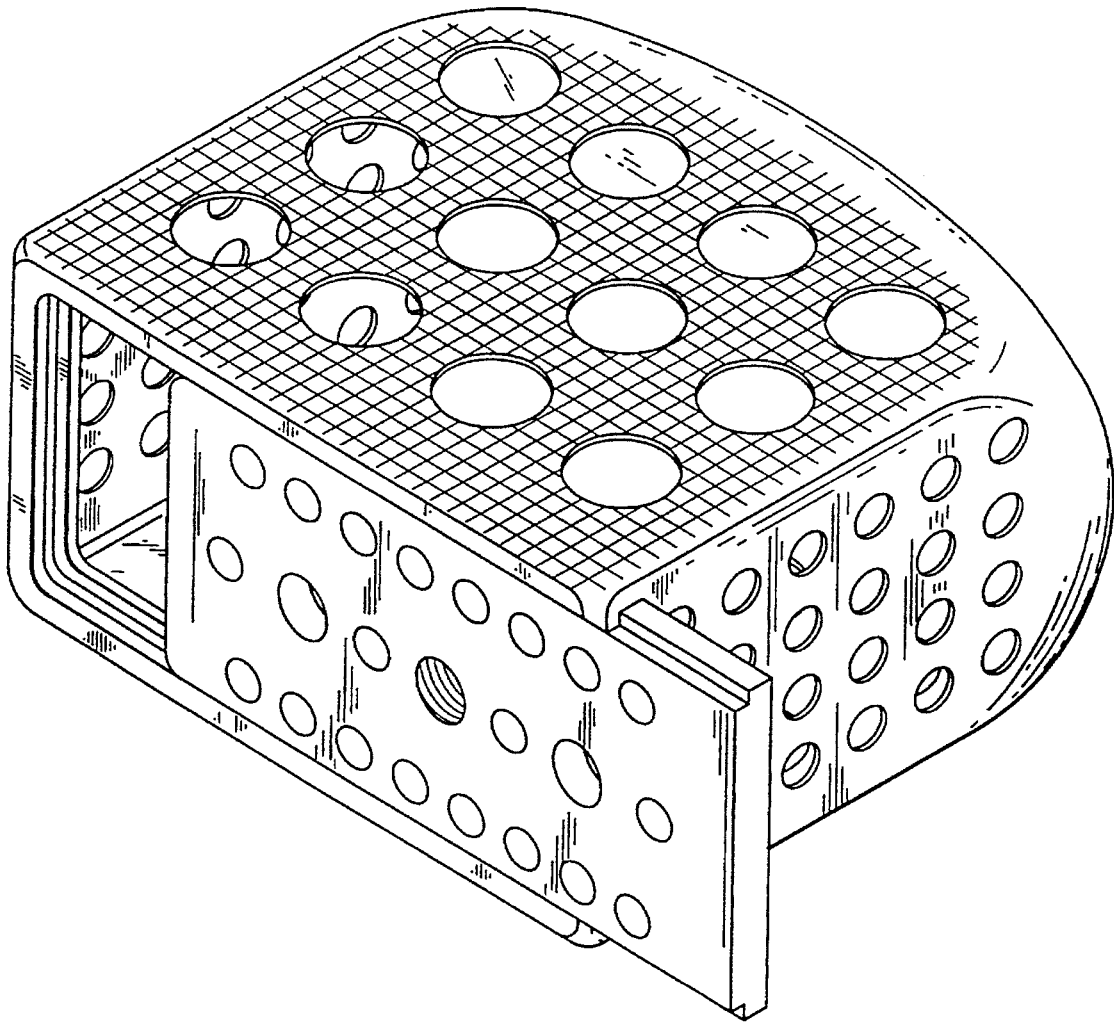
**DESCRIPTION**

FIG. 1 is a perspective view of the an artificial spinal infusion implant showing my new design;  
FIG. 2 is a top plan view of the design of FIG. 1, with the bottom plan view being a mirror image thereof;  
FIG. 3 is a left side elevational view of the design of FIG. 1;

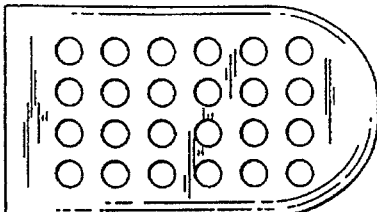
FIG. 4 is a right side elevational view of the design of FIG. 1;  
FIG. 5 is a rear end view of the design of FIG. 3;  
FIG. 6 is a front end view of the design of FIG. 1;  
FIG. 7 is an enlarged fragmentary view along line 7 of the design of FIG. 2;  
FIG. 8 is a top plan view of a first alternative embodiment of the design of FIG. 1, the bottom plan view being a mirror image thereof;  
FIG. 9 is a left side elevational view of the design of FIG. 8;  
FIG. 10 is a right side elevational view of the design of FIG. 8;  
FIG. 11 is a rear end view of the design of FIG. 8;  
FIG. 12 is a front end view of the design of FIG. 8;  
FIG. 13 is an enlarged fragmentary view along line 13 of the design of FIG. 8;  
FIG. 14 is a top plan view of a second alternative embodiment of the design of FIG. 1, the bottom plan view being a mirror image thereof;  
FIG. 15 is a left side elevational view of the design of FIG. 14;  
FIG. 16 is a right side elevational view of design of FIG. 14;  
FIG. 17 is a rear end view of the design of FIG. 14;  
FIG. 18 is a front end view of the design of FIG. 14;  
FIG. 19 is an enlarged fragmentary view along line 19 of the design of FIG. 14;  
FIG. 20 is a top plan view of a third alternative embodiment of the design of FIG. 1, the bottom plan view being a mirror image thereof;  
FIG. 21 is a left side elevational view of the design of FIG. 20;  
FIG. 22 is a right side elevational view of the design of FIG. 20;  
FIG. 23 is a rear end view of the design of FIG. 20;  
FIG. 24 is a front end view of the design of FIG. 20; and,  
FIG. 25 is an enlarged fragmentary view along line 25 of the design of FIG. 20.

1 Claim, 5 Drawing Sheets

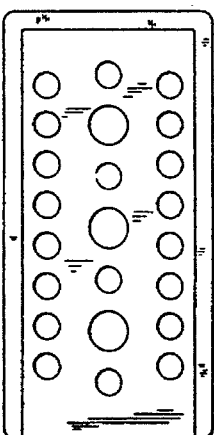




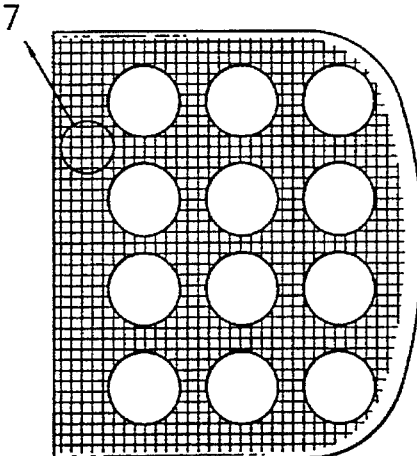
**Fig. 1**



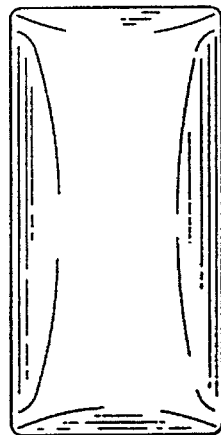
**Fig. 3**



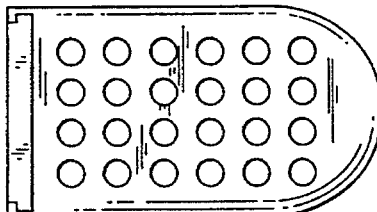
**Fig. 5**



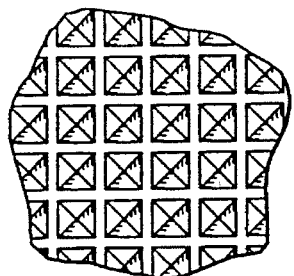
**Fig. 2**



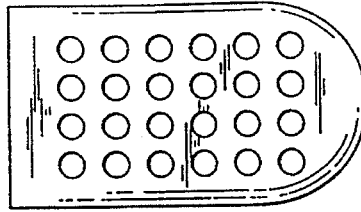
**Fig. 6**



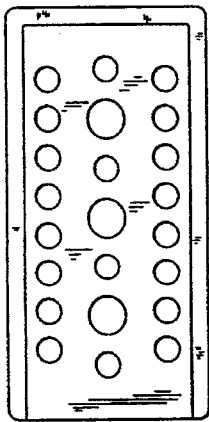
**Fig. 4**



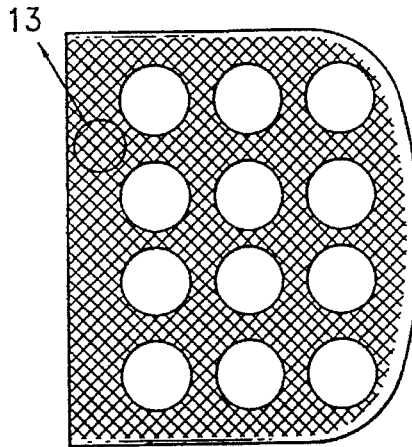
**Fig. 7**



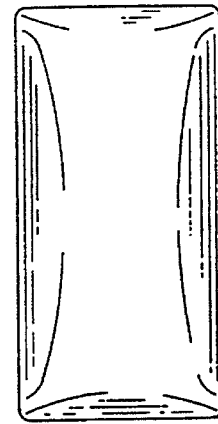
**Fig. 9**



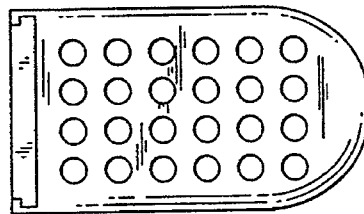
**Fig. 11**



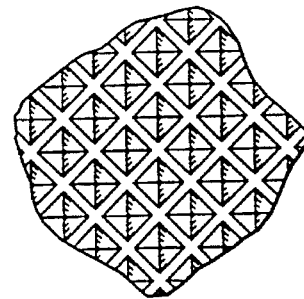
**Fig. 8**



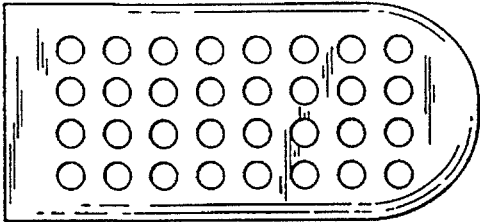
**Fig. 12**



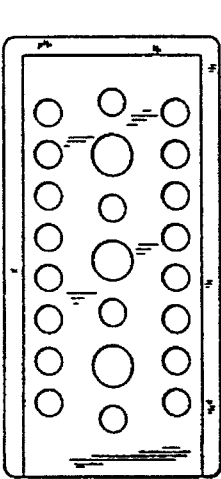
**Fig. 10**



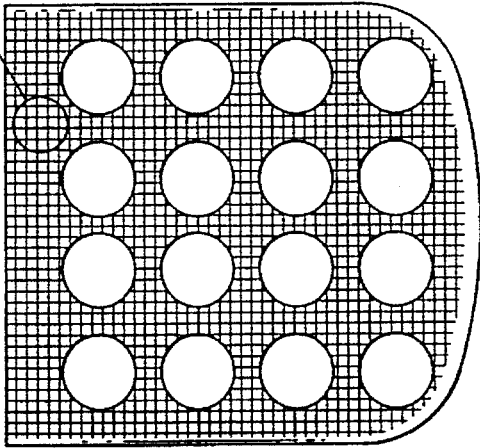
**Fig. 13**



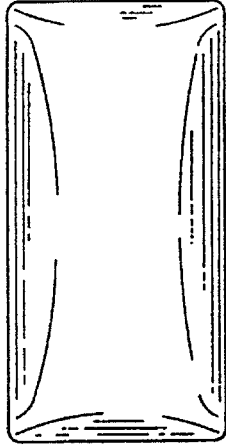
**Fig. 15**



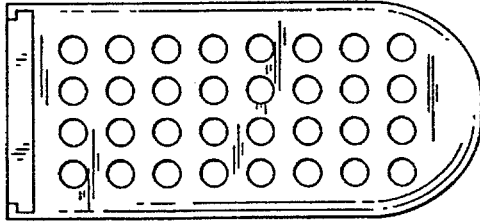
**Fig. 17**



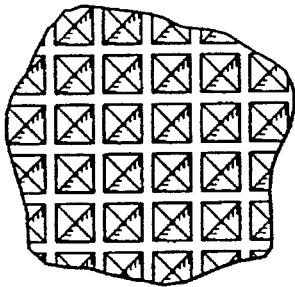
**Fig. 14**



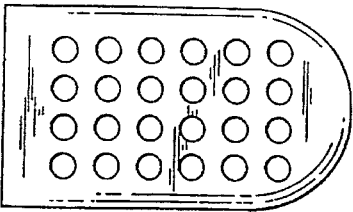
**Fig. 18**



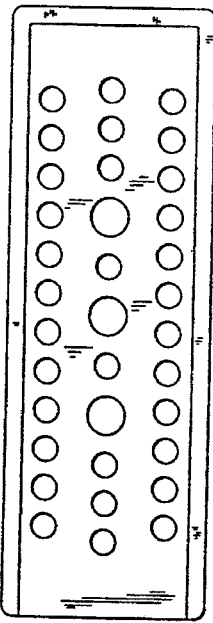
**Fig. 16**



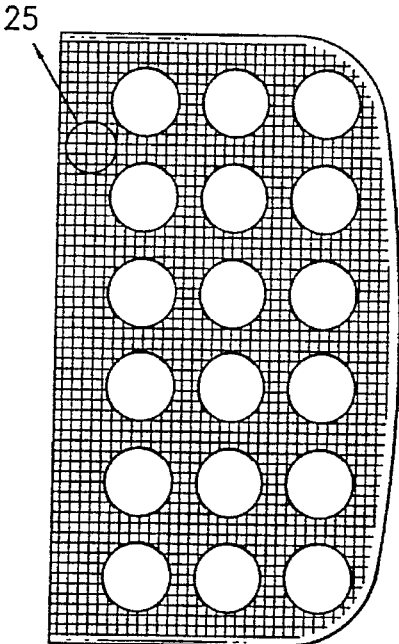
**Fig. 19**



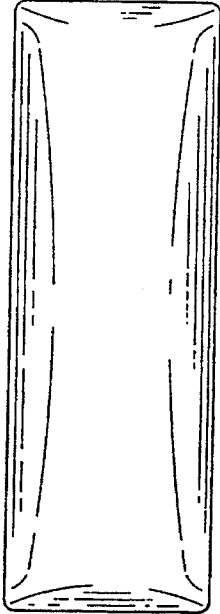
**Fig. 21**



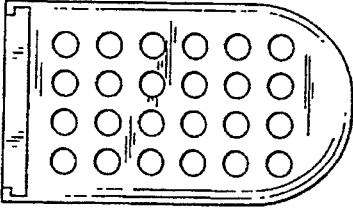
**Fig. 23**



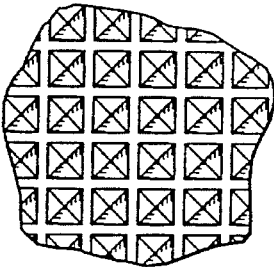
**Fig. 20**



**Fig. 24**



**Fig. 22**



**Fig. 25**