



US00D907201S

(12) **United States Design Patent** (10) **Patent No.:** **US D907,201 S**  
**Pichot et al.** (45) **Date of Patent:** **\*\* Jan. 5, 2021**

(54) **NEEDLE**  
(71) Applicant: **CSP TECHNOLOGIES, INC.**,  
Auburn, AL (US)  
(72) Inventors: **Herve Pichot**, Chennevieres-sur-Marne  
(FR); **Jean-Pierre Giraud**, Auburn, AL  
(US); **Franklin Lee Lucas, Jr.**,  
Opelika, AL (US)  
(73) Assignee: **CSP TECHNOLOGIES, INC.**,  
Auburn, AL (US)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/665,564**  
(22) Filed: **Oct. 4, 2018**

D274,651 S \* 7/1984 De Vaughn ..... D24/112  
D286,570 S \* 11/1986 Williams ..... D24/112  
4,707,337 A \* 11/1987 Jeffs ..... B01L 3/0275  
422/525  
D300,561 S \* 4/1989 Asa ..... D24/112  
5,607,401 A 3/1997 Humphrey  
D386,260 S \* 11/1997 Polaniec ..... D24/112  
D416,625 S \* 11/1999 Torti ..... D24/222  
D437,940 S \* 2/2001 Rainin ..... D24/222

(Continued)

**FOREIGN PATENT DOCUMENTS**

DE 2164363 7/1973  
DE 102009049153 A1 4/2011  
WO 2016187557 A1 11/2016

*Primary Examiner* — Nathan M Johnston  
(74) *Attorney, Agent, or Firm* — Mark T. Vogelbacker;  
Eckert Seamans Cherin & Mellott, LLC

**Related U.S. Application Data**

(63) Continuation of application No.  
PCT/US2018/026295, filed on Apr. 5, 2018.  
(51) **LOC (13) Cl.** ..... **24-02**  
(52) **U.S. Cl.**  
USPC ..... **D24/130**  
(58) **Field of Classification Search**  
USPC ..... D24/127–131, 112–114, 133, 186;  
606/181, 185; 604/264, 523–528, 272,  
604/187, 158, 164.01–164.11, 181, 184,  
604/227; 600/101, 139, 143;  
128/200.24, 207.14, 207.15  
CPC ..... B65D 51/002; B29C 45/0001; B29K  
2077/10; B29K 2509/08; A61M 5/3291;  
A61M 5/3286; A61M 5/002; A61M  
5/3293; B29L 2031/759  
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a needle, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a needle of our new design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a first elevation view thereof;  
FIG. 4 is a second elevation view thereof;  
FIG. 5 is a third elevation view thereof;  
FIG. 6 is a fourth elevation view thereof;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom plan view thereof.  
The dashed lines immediately adjacent to the shaded areas  
in the figures represent the boundaries of the claimed design.  
The dashed lines in the figures illustrate portions of the  
design that form no part of the claimed design. None of the  
broken lines form any part of the claimed design.

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

2,512,569 A 6/1950 Saffir  
D246,380 S \* 11/1977 Boothby ..... D24/222

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D441,458	S *	5/2001	Petrek .....	D24/222
D448,853	S *	10/2001	Rainin .....	D24/222
D461,904	S *	8/2002	Petrek .....	D24/222
D465,853	S *	11/2002	Petersen .....	D24/222
D528,638	S *	9/2006	Zuk .....	D23/213
D624,653	S *	9/2010	Boillat .....	D24/133
D630,733	S *	1/2011	Ahlgren .....	D24/130
D663,042	S *	7/2012	Motadel .....	D24/222
D679,826	S *	4/2013	Ziegmann .....	D24/222
D679,828	S *	4/2013	Motadel .....	D24/222
D680,226	S *	4/2013	Motadel .....	D24/222
D700,318	S *	2/2014	Amoah .....	D24/112
D748,777	S *	2/2016	Uenishi .....	D24/130
D787,698	S *	5/2017	Staton .....	D24/222
D841,182	S *	2/2019	Mizutani .....	D24/222
D846,116	S *	4/2019	Naughton .....	D24/130
2009/0143767	A1 *	6/2009	Fentress .....	A61M 25/0009 604/523
2011/0060317	A1 *	3/2011	Frojd .....	A61M 25/0009 604/544
2012/0179096	A1	7/2012	Aeschlimann	
2015/0297837	A1	10/2015	Schraga	

\* cited by examiner

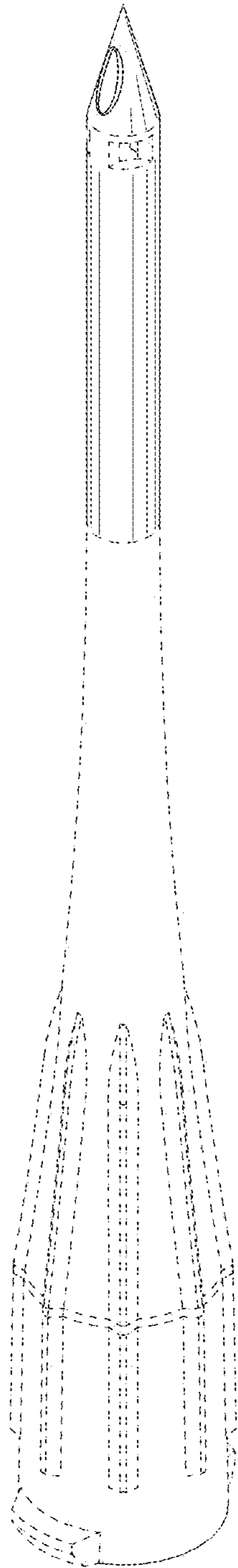


FIG. 1

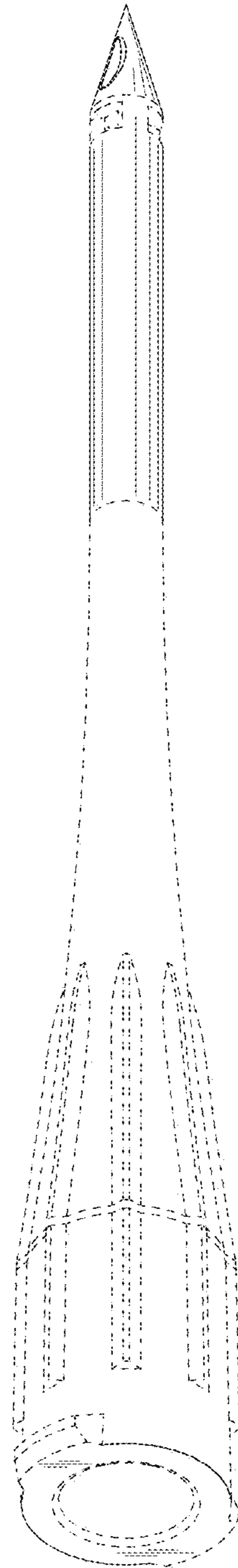


FIG. 2

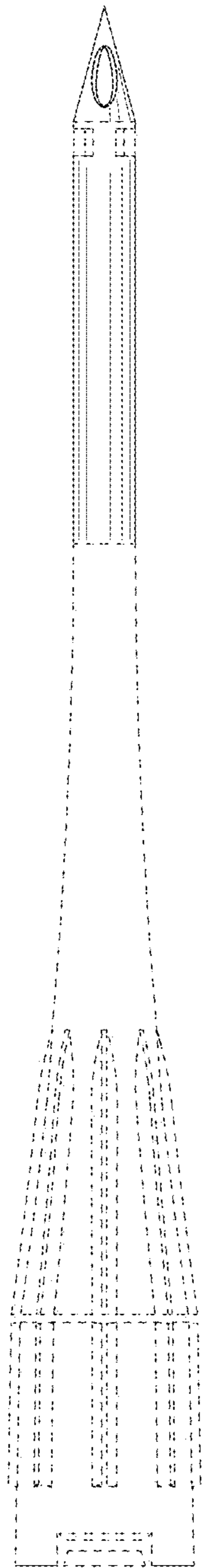


FIG. 3

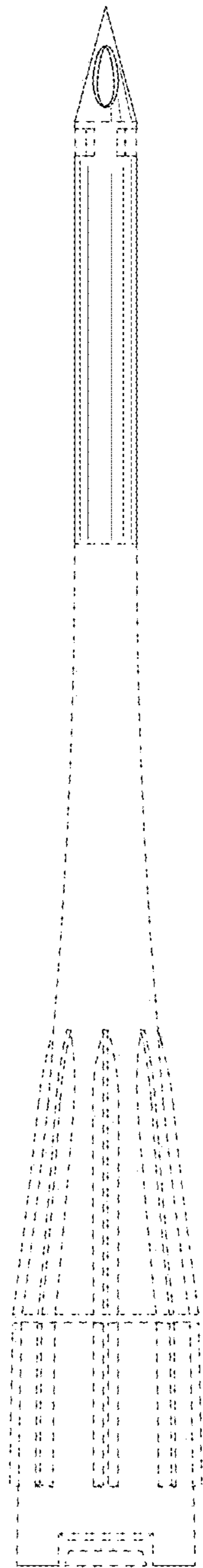


FIG. 4

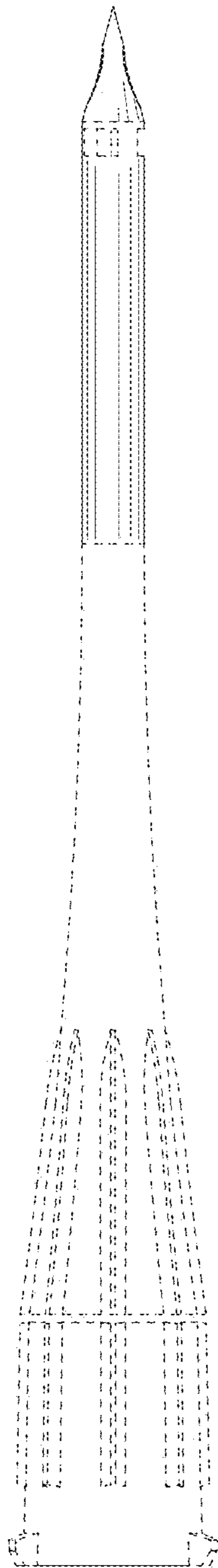


FIG. 5

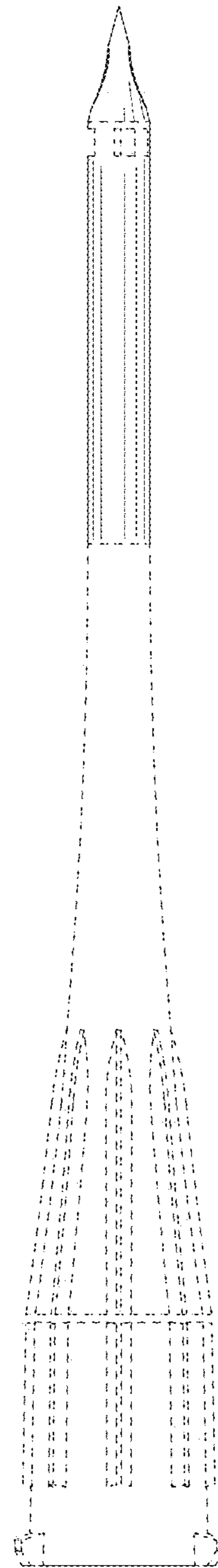


FIG. 6

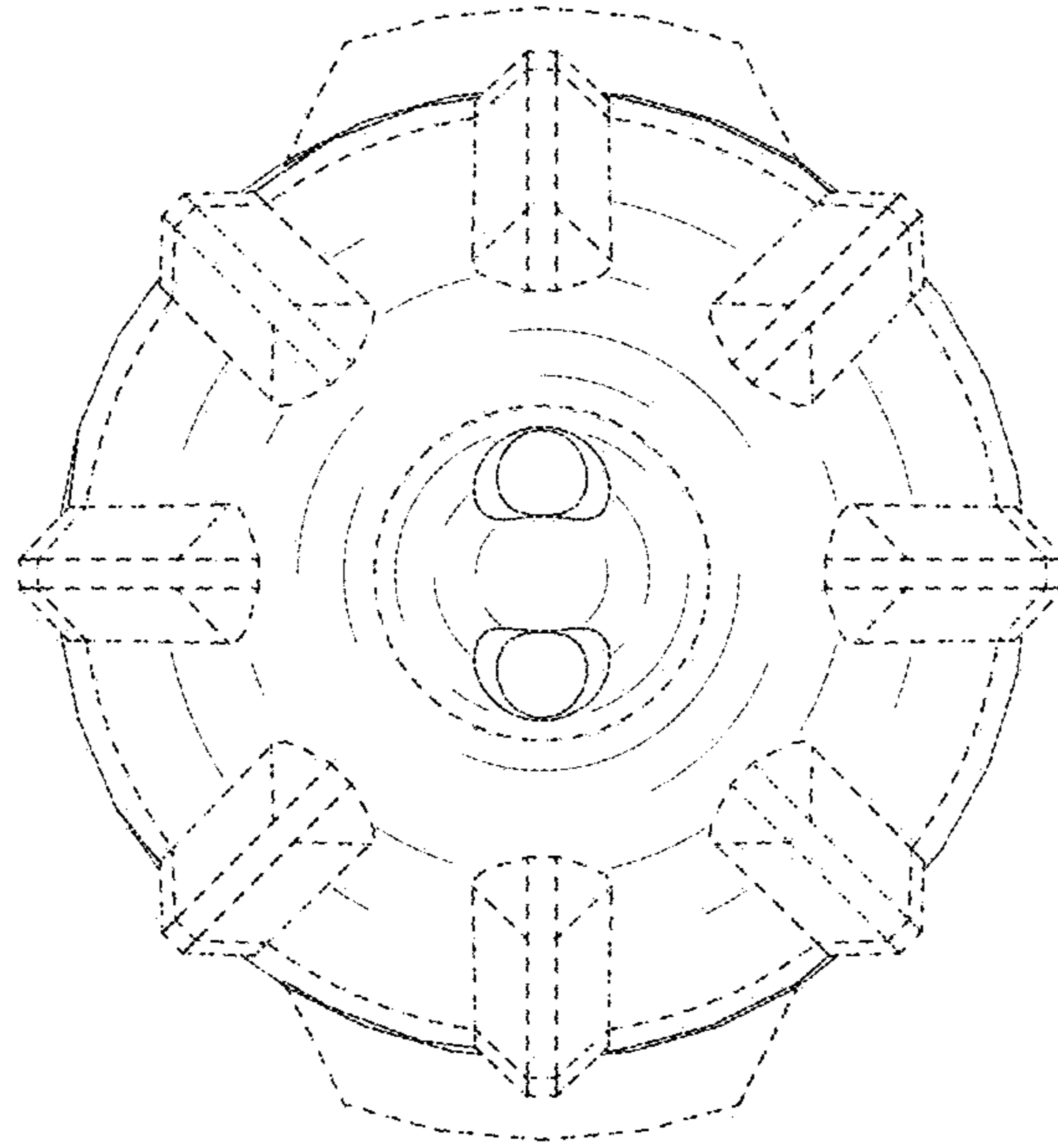


FIG. 7

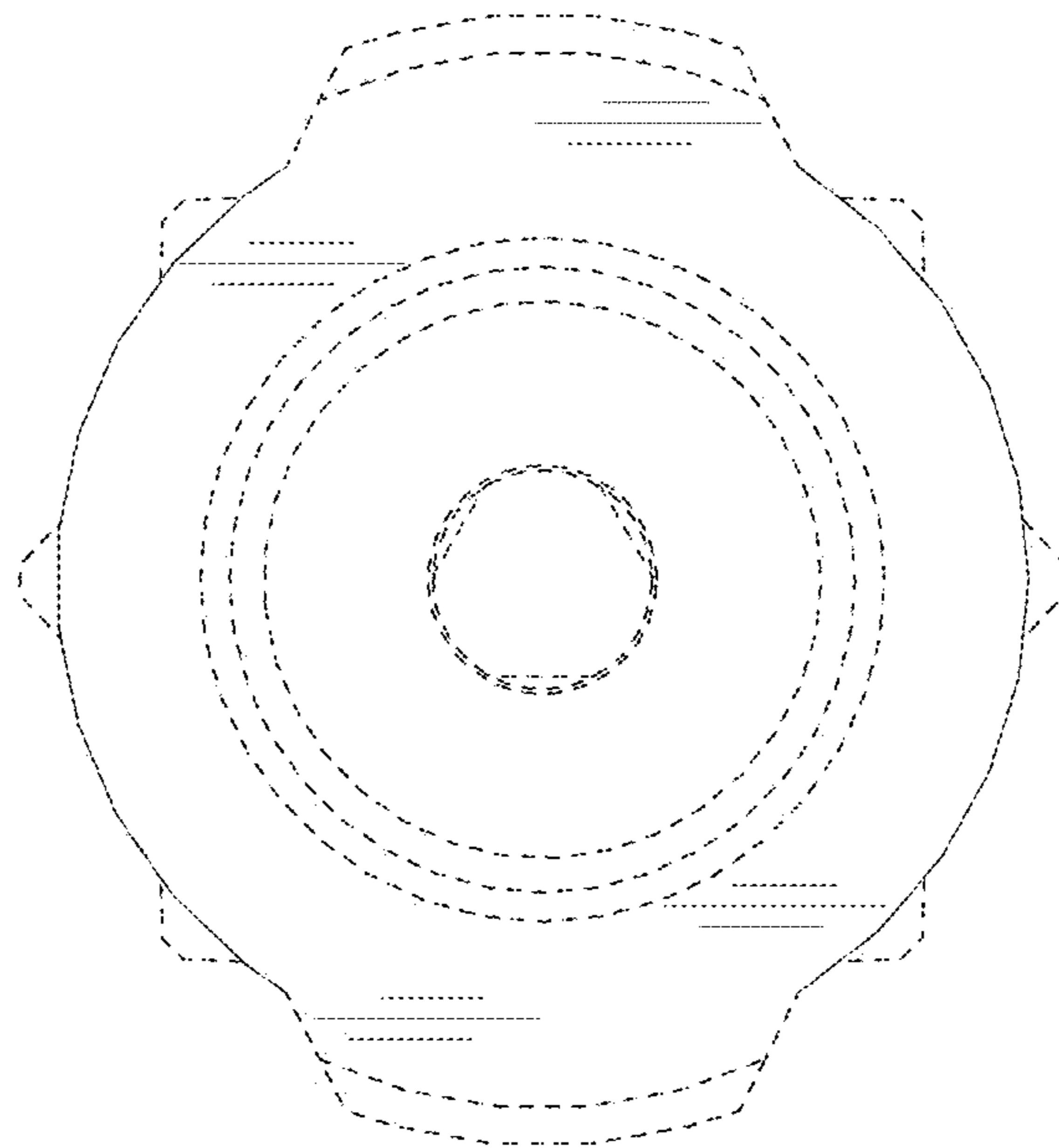


FIG. 8