



US00D953530S

(12) **United States Design Patent** (10) **Patent No.:** **US D953,530 S**
Lanois (45) **Date of Patent:** **** May 31, 2022**

(54) **SURGICAL DRILL BIT**

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(73) Assignee: **BFM Holdings, LLC**, Austin, TX (US)

(**) Term: **15 Years**

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(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**

USPC **D24/146**

(58) **Field of Classification Search**

USPC D6/522, 523, 525, 526, 553, 566; D8/49, D8/51, 52, 59, 60, 64, 82, 85, 86, 95, 97, D8/300, 303, 349, 499; D14/372; D15/138, 139; D16/100, 130, 309; D24/108, 112, 113, 114, 115, 119, 127, D24/128, 129, 130, 133, 137, 142, 144, D24/145, 146, 147, 148, 150, 155, 158, D24/160, 170, 171, 172, 173, 181, 185, D24/186, 188, 200, 215, 216, 222, 231, D24/232; D25/38.1, 41.1; D10/57; D28/7

CPC A61B 3/00; A61B 3/0016; A61B 3/0025; A61B 3/0033; A61B 3/0041; A61B 3/0075; A61B 3/0083; A61B 3/0091; A61B 3/02; A61B 3/10; A61B 3/1005; A61B 3/12; A61B 3/13; A61B 3/18; A61B 17/00; A61B 2017/00349; A61B 2017/00455; A61B 2017/00464; A61B 2017/00473; A61B 2017/0053; A61B 17/0057; A61B 17/0231; A61B 17/04; A61B 17/064; A61B 17/0642; A61B 17/0643; A61B 17/0644; A61B 2017/0688; A61B 17/14; A61B 17/142; A61B 17/15; A61B 17/151; A61B 17/154; A61B 17/155; A61B 17/157; A61B 17/158; A61B 17/16; A61B 17/1613; A61B

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D347,848 S * 6/1994 Maynard, Jr. D15/139
D351,022 S * 9/1994 Saito D24/146

(Continued)

OTHER PUBLICATIONS

Amazon, "Orthopedic Drill Bit", first available May 28, 2019. (<https://www.amazon.com/Orthopedic-Drill-Bit-Coupling-3-2/dp/B07SF76851>) (Year: 2019).*

(Continued)

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(57) **CLAIM**

The ornamental design for a surgical drill bit, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the design of a surgical drill bit;

FIG. 2 is a back plan view of the surgical drill bit shown in FIG. 1;

FIG. 3 is a front plan view of the surgical drill bit shown in FIG. 1;

FIG. 4 is a top side view of the surgical drill bit shown in FIG. 1;

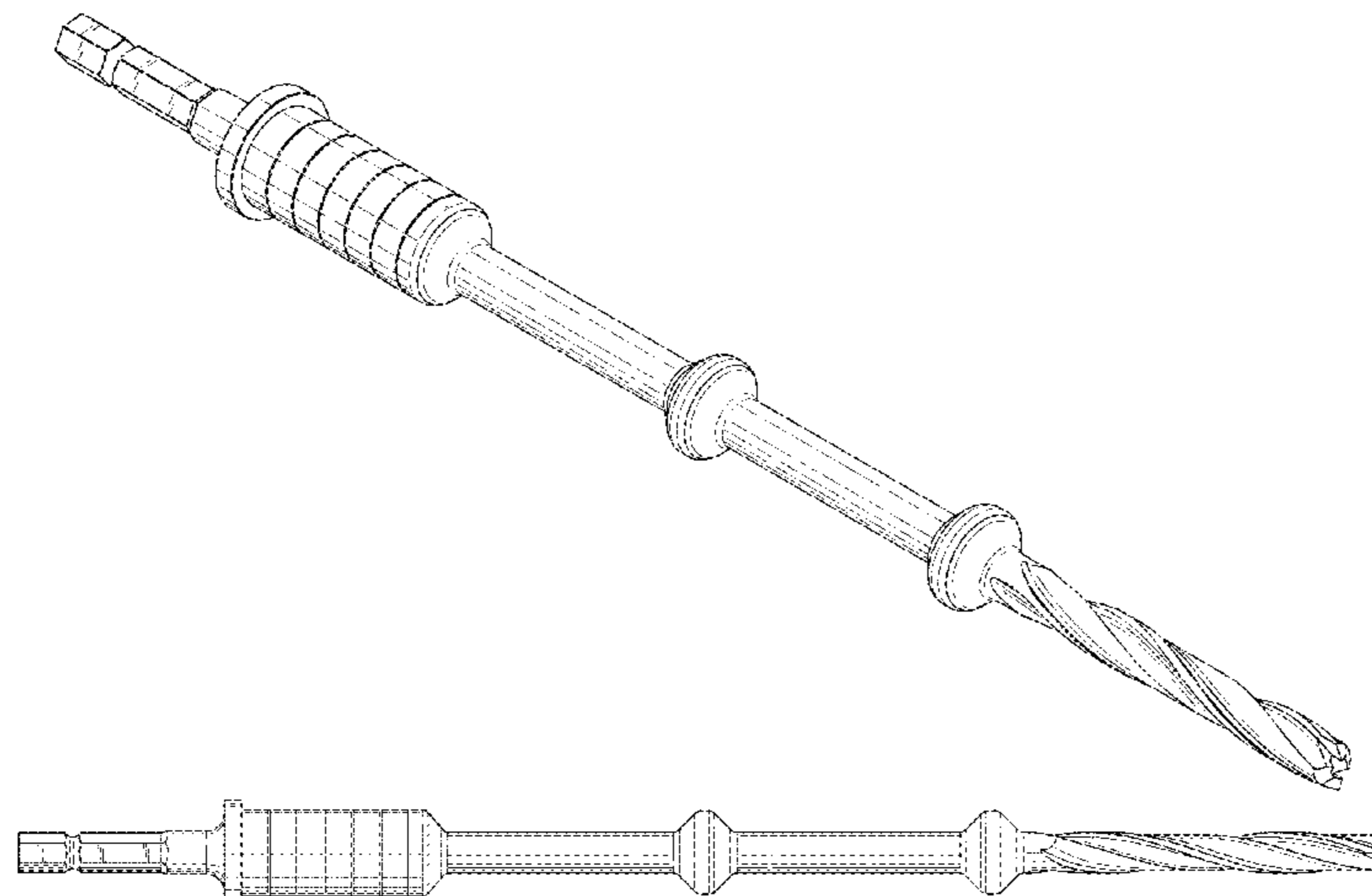
FIG. 5 is a bottom side view of the surgical drill bit shown in FIG. 1;

FIG. 6 is a right side view of the surgical drill bit shown in FIG. 1; and,

FIG. 7 is a left side view of the surgical drill bit shown in FIG. 1.

The dot-dash broken lines represent boundaries of the design and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(58) **Field of Classification Search**

CPC 17/1615; A61B 17/1617; A61B 2090/0817;
 A61B 2017/00663; A61B 17/0401; A61B
 2017/0404; A61B 10/00; A61B 10/02;
 A61B 2010/0208; A61B 10/04; A61B
 2010/045; A61B 17/221; A61B 17/34;
 A61B 17/3415; B23D 51/025; A61F 9/00;
 A61F 9/007; A61F 9/0133; A61F
 2210/0004; A61H 5/00; A61H 5/005;
 A61H 2205/022; E21B 10/00; B28B
 7/00; B28B 7/0002; B28B 7/0032; B28B
 7/0094; B28B 7/16; B28B 7/18

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D390,239 S *	2/1998	Malin	D15/139
D599,906 S *	9/2009	Petersen	D24/146
D692,134 S *	10/2013	Lee-Sepsick	D24/146
D692,562 S *	10/2013	Hess	D24/171
D724,125 S *	3/2015	Pierce	D15/139

D892,326 S *	8/2020	Qun	A61B 17/1613 D24/146
D915,593 S *	4/2021	Alenezi	A61B 17/1617 D24/152
2008/0195101 A1 *	8/2008	Lechot	A61B 17/1617 606/79
2019/0090868 A1 *	3/2019	Bracy	A61B 17/0401
2019/0388979 A1 *	12/2019	Sinnott	B23B 51/02
2021/0068851 A1 *	3/2021	Sweitzer	A61B 17/1613

OTHER PUBLICATIONS

Alibaba, "Medical Electric Stainless Steel Flexible Reaming Drill Bit", first available Feb. 4, 2021. (https://www.alibaba.com/product-detail/Medical-Electric-Stainless-Steel-Flexible-Reaming_468207178.html) (Year: 2021).*

Medical Expo, "Maxifacial drills", first accessed Jun. 9, 2021. (<https://pdf.medicaexpo.com/pdf/shanghai-lzq-precision-tool-technology/maxifacial-drills/119464-225539.html#open840295>) (Year: 2021).*

Si-Restore, "SI-Restore Technique", first available Jan. 21, 2021. (<https://web.archive.org/web/20210121205433/https://www.si-restore.com/si-restore-technique/>) (Year: 2021).*

* cited by examiner

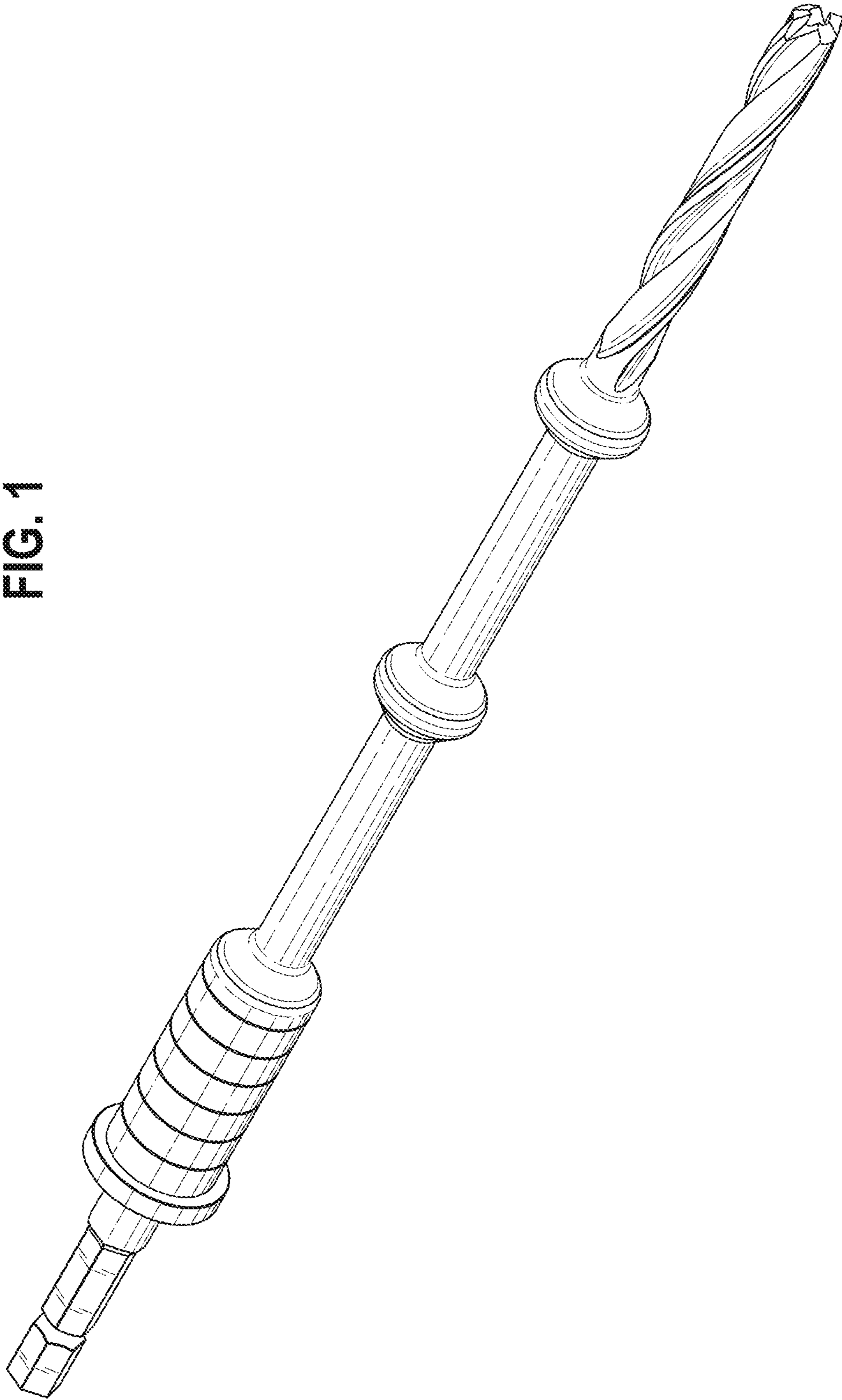


FIG. 1

FIG. 2

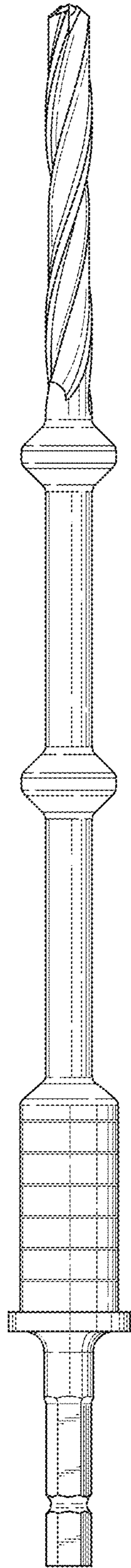


FIG. 3

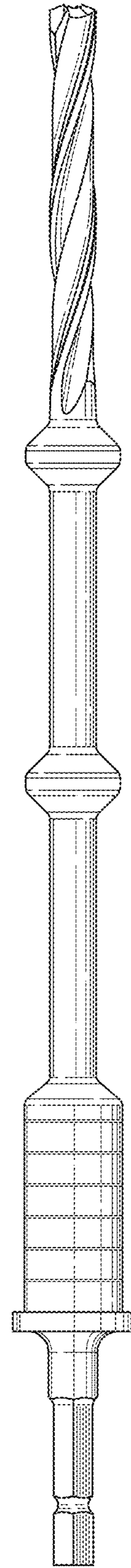


FIG. 4

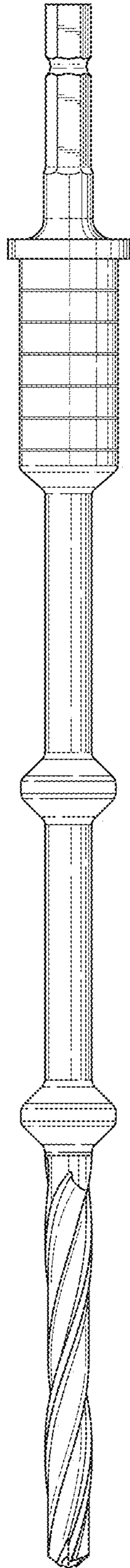


FIG. 5

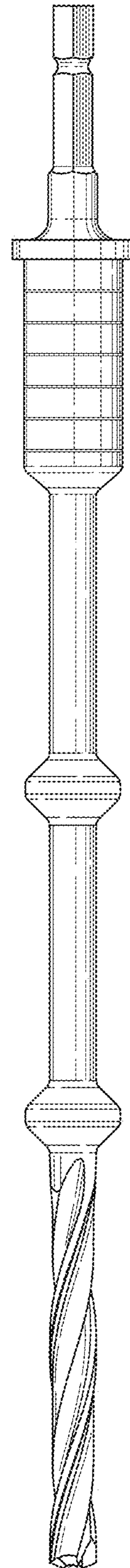


FIG. 6

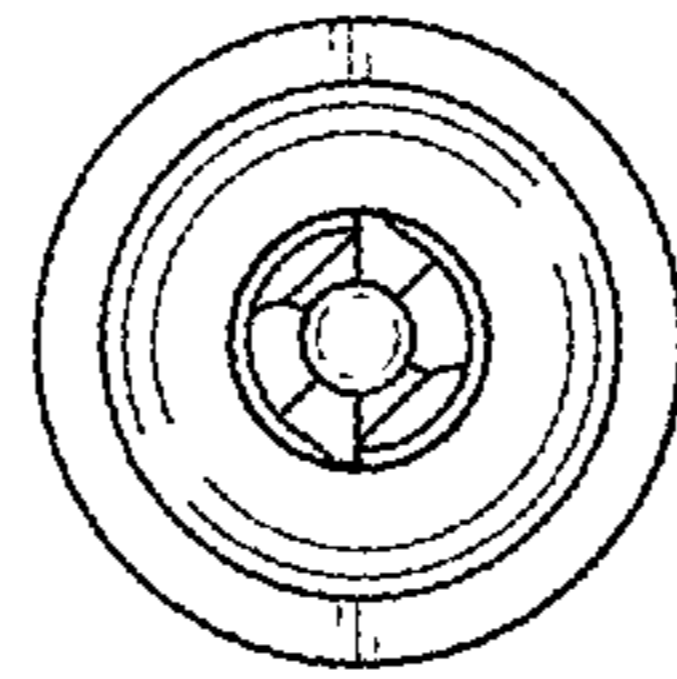


FIG. 7

