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(12) **United States Design Patent**  
**Moon et al.**

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(54) **MIXER BLADE**

(71) Applicant: **NuWave, LLC**, Libertyville, IL (US)

(72) Inventors: **Jung Sik Moon**, Long Grove, IL (US);  
**Yuan Haizhong**, Ningbo (CN); **Eunjung Huh**, Gurnee, IL (US)

(73) Assignee: **NuWave, LLC**, Libertyville, IL (US)

(\*\*) Term: **14 Years**

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(51) **LOC (10) Cl.** ..... **31-00**

(52) **U.S. Cl.**  
USPC ..... **D7/412**; D7/376; D7/378; D7/383;  
D7/384

(58) **Field of Classification Search**

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A23N 1/02; A47J 43/04; A47J 43/25; A47J  
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B01F 3/00; B01F 3/0807; B01F 3/0853;  
B01F 13/0059; B01F 13/0064; B02C 1/08;  
B02C 2/04; B02C 4/42; B02C 4/142; B02C  
4/143; B02C 4/423; B02C 13/1835; B28C  
5/10; B28C 5/12; B28C 5/14; B28C 5/16  
USPC ..... D7/372, 376–386, 412–413, 602, 629,  
D7/665–666, 669, 679, 693–694;  
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241/98, 101.01–101.2, 166–169.1, 199.12,  
241/274–278.2, 282.1, 285.1–285.3, 291,  
241/292.1; 366/64–65, 97–98, 100, 130,  
366/197–201, 205–207, 219–220, 341–343  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,461,933 A \* 8/1969 Mantelet ..... 241/199.12  
4,733,827 A \* 3/1988 Williams ..... 241/101.2  
D320,326 S 10/1991 Barrault  
D320,717 S 10/1991 O'Brien  
D339,716 S 9/1993 Barrault  
D366,595 S 1/1996 Dobson et al.  
D372,835 S 8/1996 Leverrier  
D390,745 S 2/1998 Leverrier  
D421,201 S \* 2/2000 Crescenzi et al. .... D7/412  
D421,546 S \* 3/2000 Ekstrom ..... D7/412  
D432,621 S \* 10/2000 Etschel et al. .... D23/200  
6,532,863 B1 \* 3/2003 Lee ..... 99/348  
D499,303 S \* 12/2004 Huang ..... D7/412  
D501,628 S \* 2/2005 Feil ..... D7/412  
7,419,111 B2 \* 9/2008 Gursel ..... 241/282.1  
7,581,688 B2 9/2009 Mally  
D604,101 S \* 11/2009 Sands ..... D7/412

(Continued)

*Primary Examiner* — Ricky Pham

(74) *Attorney, Agent, or Firm* — Jeffrey M. Cikalo; AT Firm  
PLLC; Ralph P. Albrecht

(57) **CLAIM**

We claim the ornamental design for this mixer blade, as  
shown and described.

**DESCRIPTION**

FIG. 1 is an isometric view **100** of a mixer blade according to  
an exemplary embodiment of the present invention.

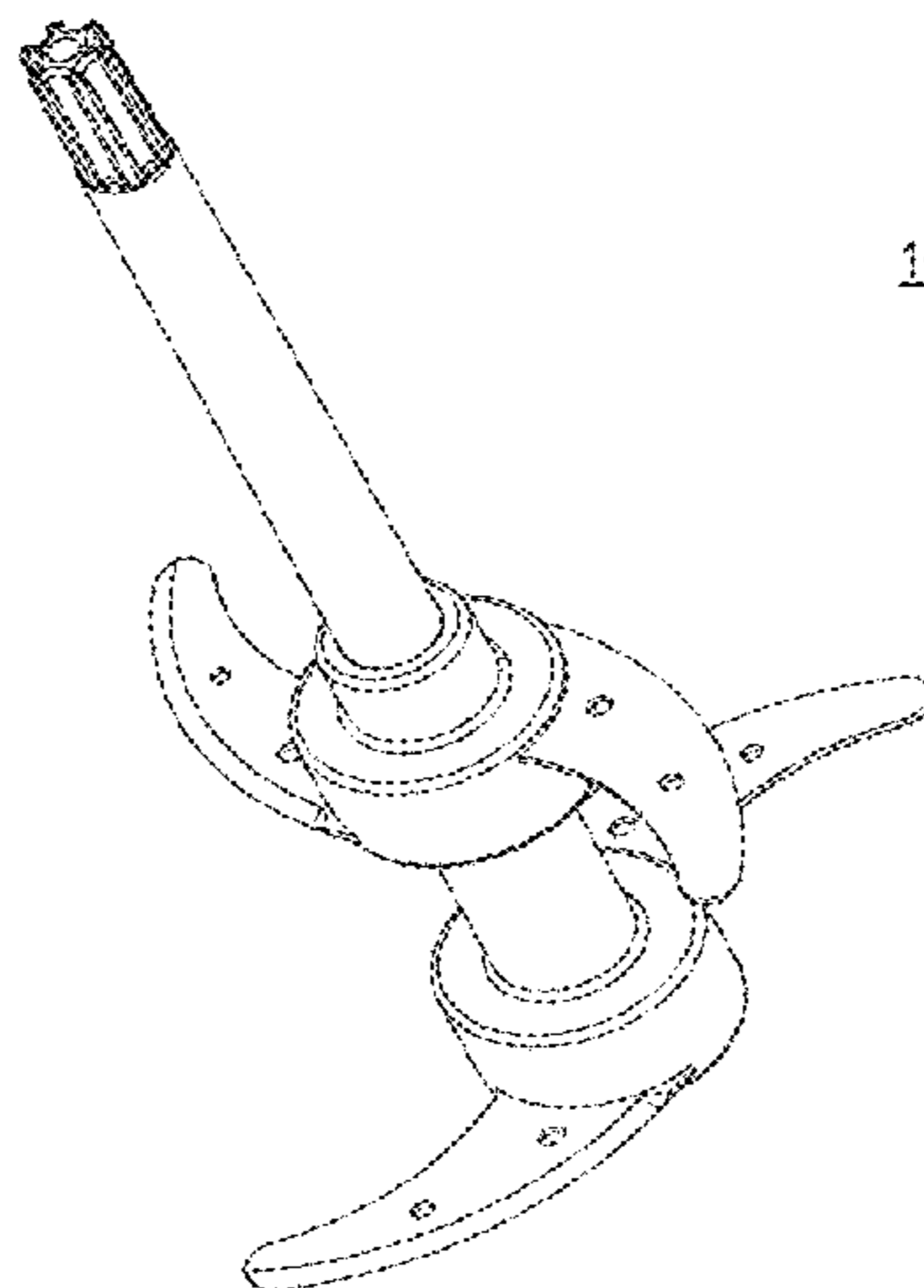
FIG. 2 is a bottom view **200** of a blade bit of the mixer blade  
according to an exemplary embodiment of the present inven-  
tion.

FIG. 3 is a side view **300** of the mixer blade according to an  
exemplary embodiment of the present invention.

FIG. 4 is a side view **400** of the mixer blade orthogonal to  
view 300 according to an exemplary embodiment of the  
present invention; and,

FIG. 5 is a top view **500** of the blade bit end of the mixer blade  
according to an exemplary embodiment of the present inven-  
tion.

**1 Claim, 3 Drawing Sheets**



100

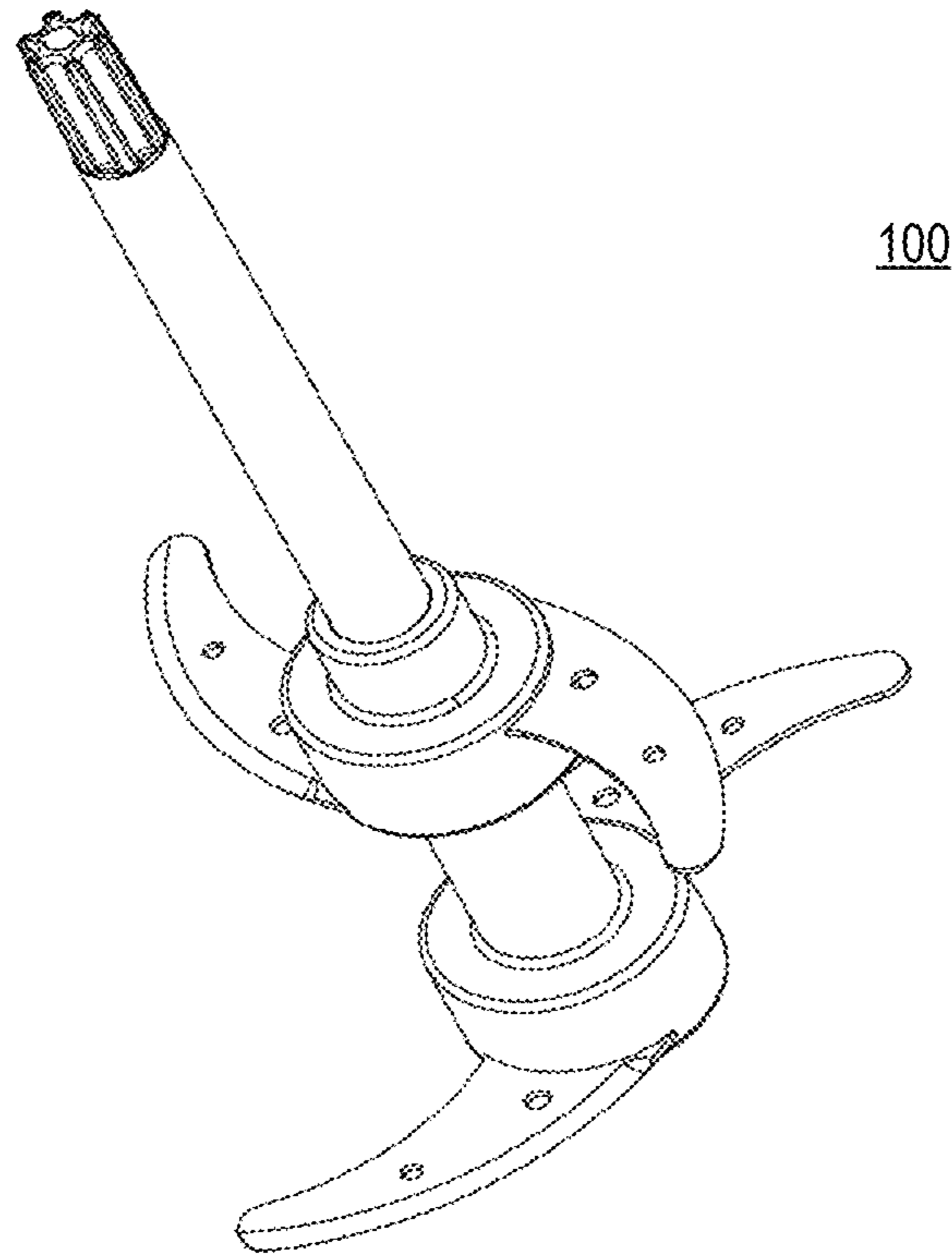
(56)

**References Cited**

U.S. PATENT DOCUMENTS

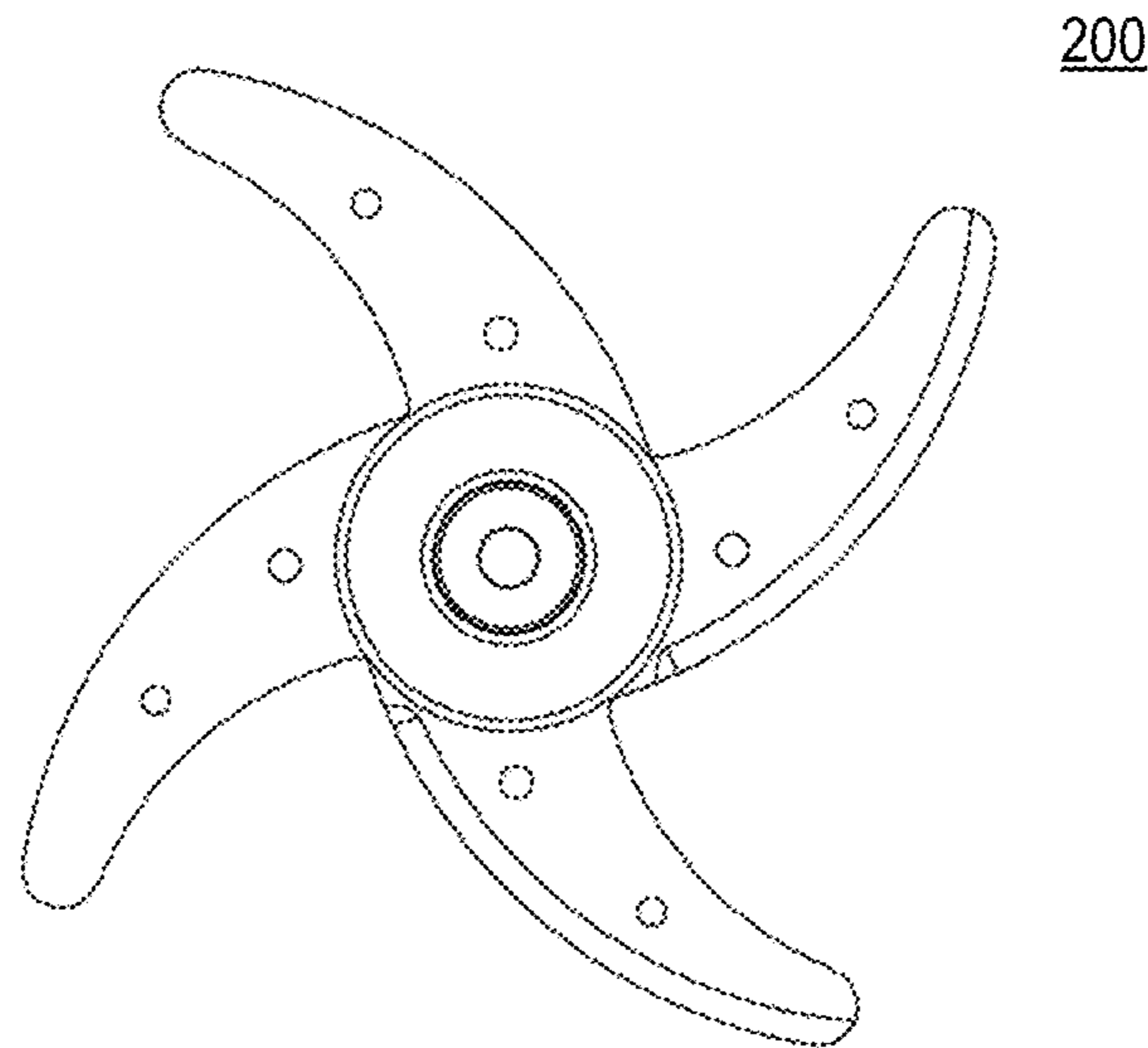
7,677,485 B2	3/2010	Gursel		D696,070 S *	12/2013	Audette	.....	D7/412
D622,095 S *	8/2010	Metaxatos et al.	.....	D700,013 S *	2/2014	Chu	.....	D7/412
D623,890 S	9/2010	Metaxatos et al.		D702,085 S *	4/2014	Audette	.....	D7/412
D647,364 S	10/2011	Audette et al.		8,702,300 B2 *	4/2014	Audette	.....	366/205
D647,365 S	10/2011	Audette et al.		8,721,164 B2 *	5/2014	Audette	.....	366/205
D663,586 S	7/2012	Audette		D706,581 S *	6/2014	Pendleton et al.	.....	D7/412
D668,115 S *	10/2012	Potter	.....	D708,902 S *	7/2014	Audette	.....	D7/412
D682,030 S *	5/2013	Ezechukwu	.....	D709,324 S *	7/2014	Guo et al.	.....	D7/412
D684,817 S *	6/2013	Leavitt	.....	D709,325 S *	7/2014	Guo et al.	.....	D7/412
				2008/0198691 A1 *	8/2008	Behar et al.	.....	366/205
				2012/0091245 A1 *	4/2012	Menashes	.....	241/282.1

\* cited by examiner



100

FIG. 1



200

FIG. 2

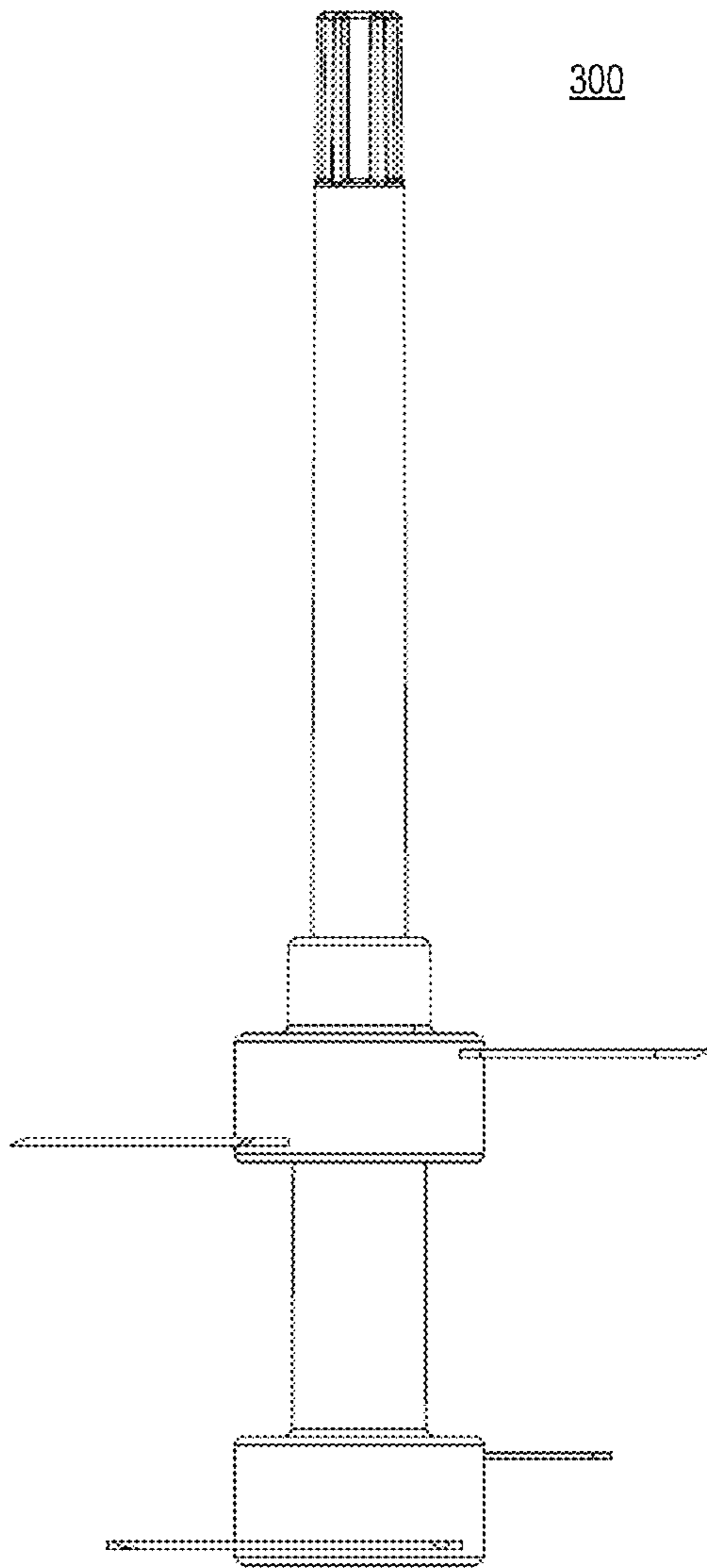


FIG. 3

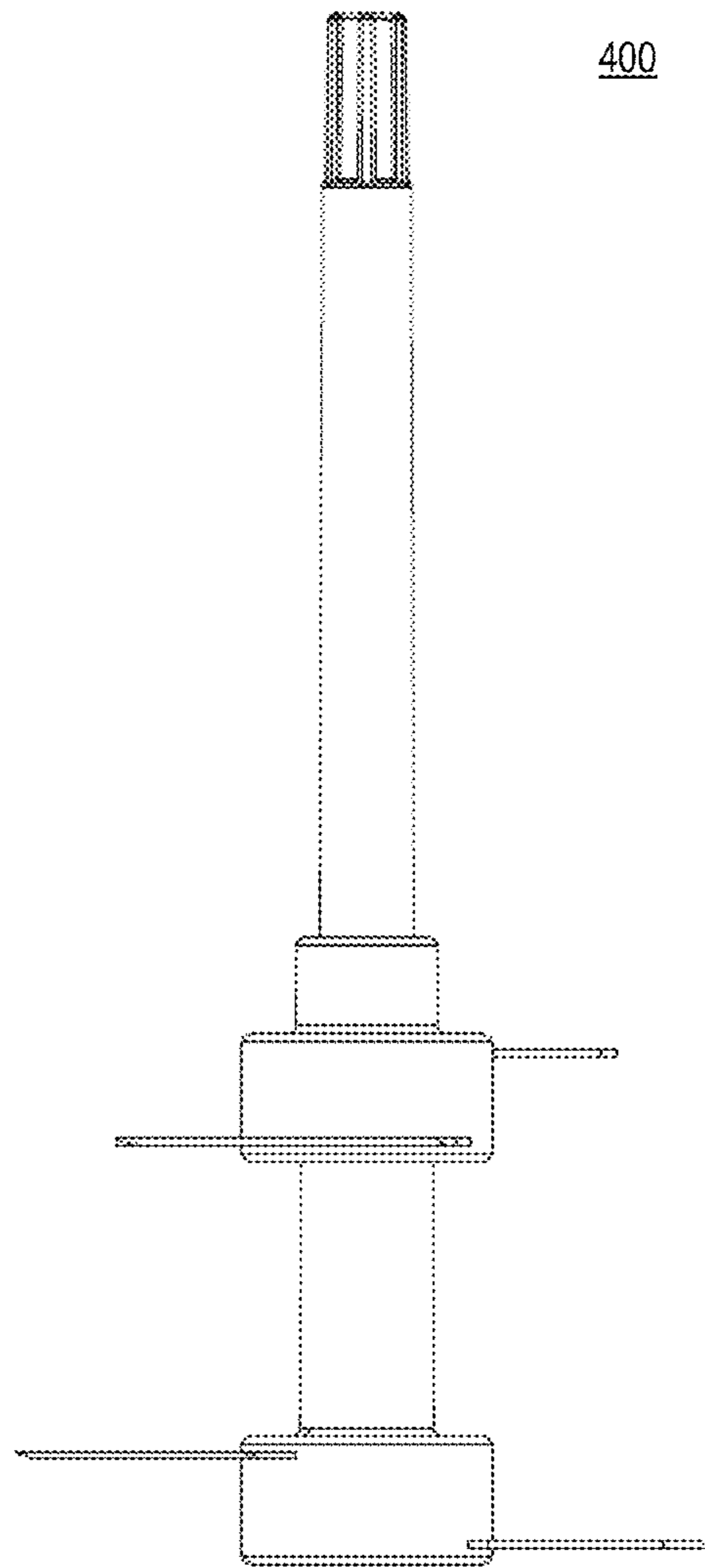
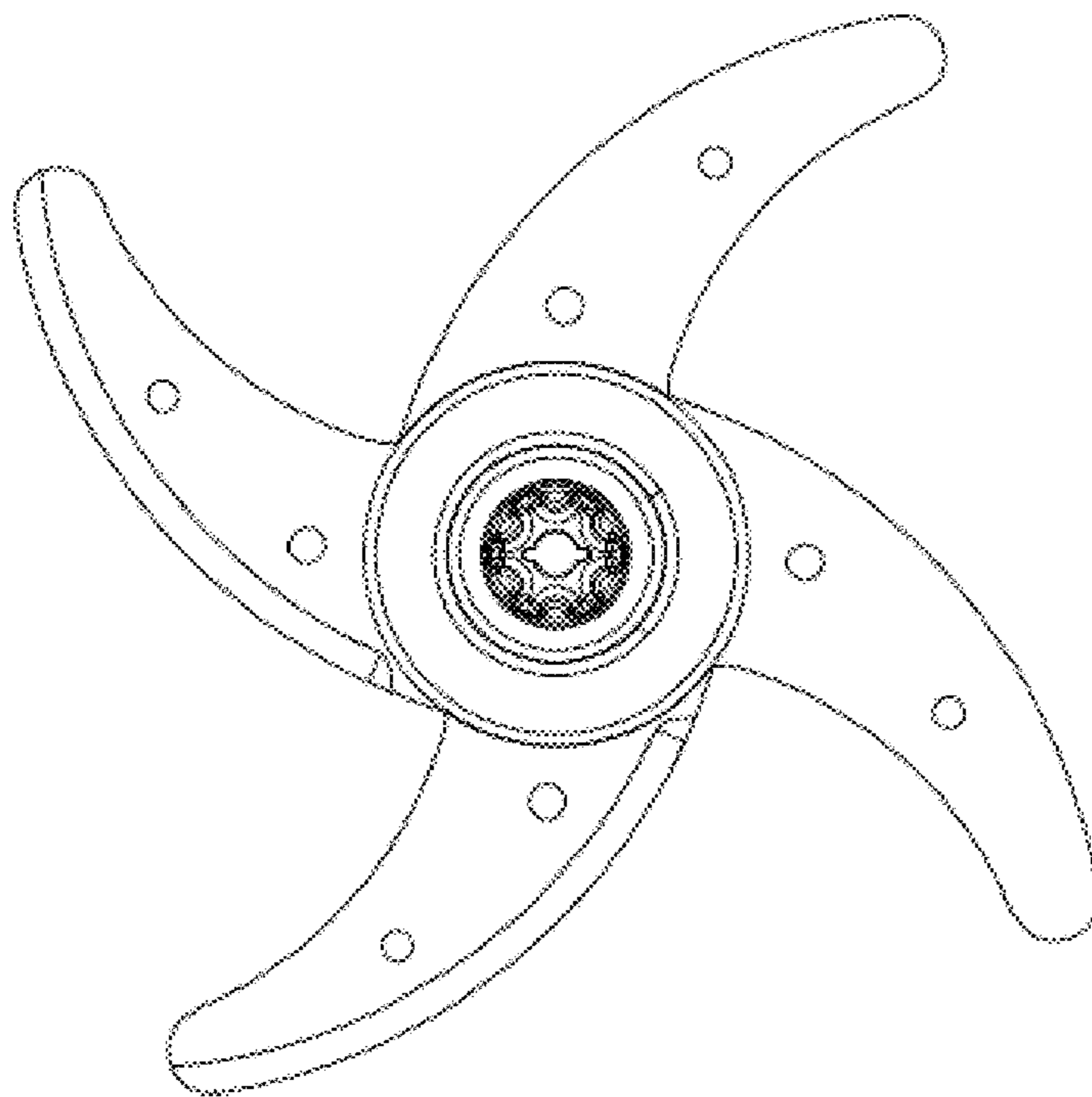


FIG. 4



500

FIG. 5