

US00D690191S

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

(10) **Patent No.:** **US D690,191 S**  
(45) **Date of Patent:** **\*\* Sep. 24, 2013**

(54) **INTERNAL SNAP MEMBER**

(75) Inventors: **Youji Takakuwa**, Saitama-ken (JP);  
**Kengo Monden**, Ushiku (JP)

(73) Assignee: **SMC Kabushiki Kaisha**, Tokyo (JP)

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

(21) Appl. No.: **29/397,251**

(22) Filed: **Jul. 13, 2011**

(51) **LOC (9) Cl.** ..... **08-08**

(52) **U.S. Cl.**  
USPC ..... **D8/396; D8/354**

(58) **Field of Classification Search**  
USPC ..... D8/354, 356, 371, 394-396; D19/65;  
D24/128; D28/42, 43; 24/570, 16 R; 248/74.2,  
248/215, 227.1, 49, 300, 301, 316.7, 51,  
248/489; 403/316; 411/517, 519, 520, 532  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

526,331 A *	9/1894	Tobin	99/316
972,531 A *	10/1910	Haynes	24/562
2,059,695 A	11/1936	Jacobi	
2,348,135 A *	5/1944	Jacobi	70/379 R
2,544,631 A	3/1951	Heimann et al.	
2,574,034 A *	11/1951	Heimann	411/521
2,595,787 A *	5/1952	Heimann	24/16 R
2,985,054 A	5/1961	Bramberry et al.	
3,469,494 A *	9/1969	Frailly	411/517
3,535,977 A	10/1970	Baumgarten	
3,758,923 A *	9/1973	Maude	24/556
3,853,021 A *	12/1974	Hayes	74/568 R
4,099,444 A *	7/1978	Millheiser et al.	411/517
4,284,379 A *	8/1981	Chaiko	411/61
4,319,758 A *	3/1982	Nicholson	277/550
4,367,602 A *	1/1983	Petersen	37/459
4,594,040 A	6/1986	Molina	
4,603,597 A	8/1986	Onorati	

4,687,399 A	8/1987	Petrie	
4,752,178 A	6/1988	Greenhill	
4,886,408 A	12/1989	Killian et al.	
4,901,987 A	2/1990	Greenhill et al.	
D317,388 S *	6/1991	White	D7/400
5,197,841 A	3/1993	Tanaka	
5,297,900 A *	3/1994	Witzand	405/259.3
D347,164 S *	5/1994	Wodka	D8/395
5,315,746 A *	5/1994	Machino et al.	29/451
5,316,247 A *	5/1994	Wodka	248/73

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP	D1313569	10/2007
JP	D1347874	1/2009

**OTHER PUBLICATIONS**

U.S. Appl. No. 29/397,262; First Named Inventor: Youji Takakuwa;  
Title: "Internal Snap Member"; filed Jul. 13, 2011.

(Continued)

*Primary Examiner* — John Windmuller  
(74) *Attorney, Agent, or Firm* — Holtz, Holtz, Goodman & Chick, PC

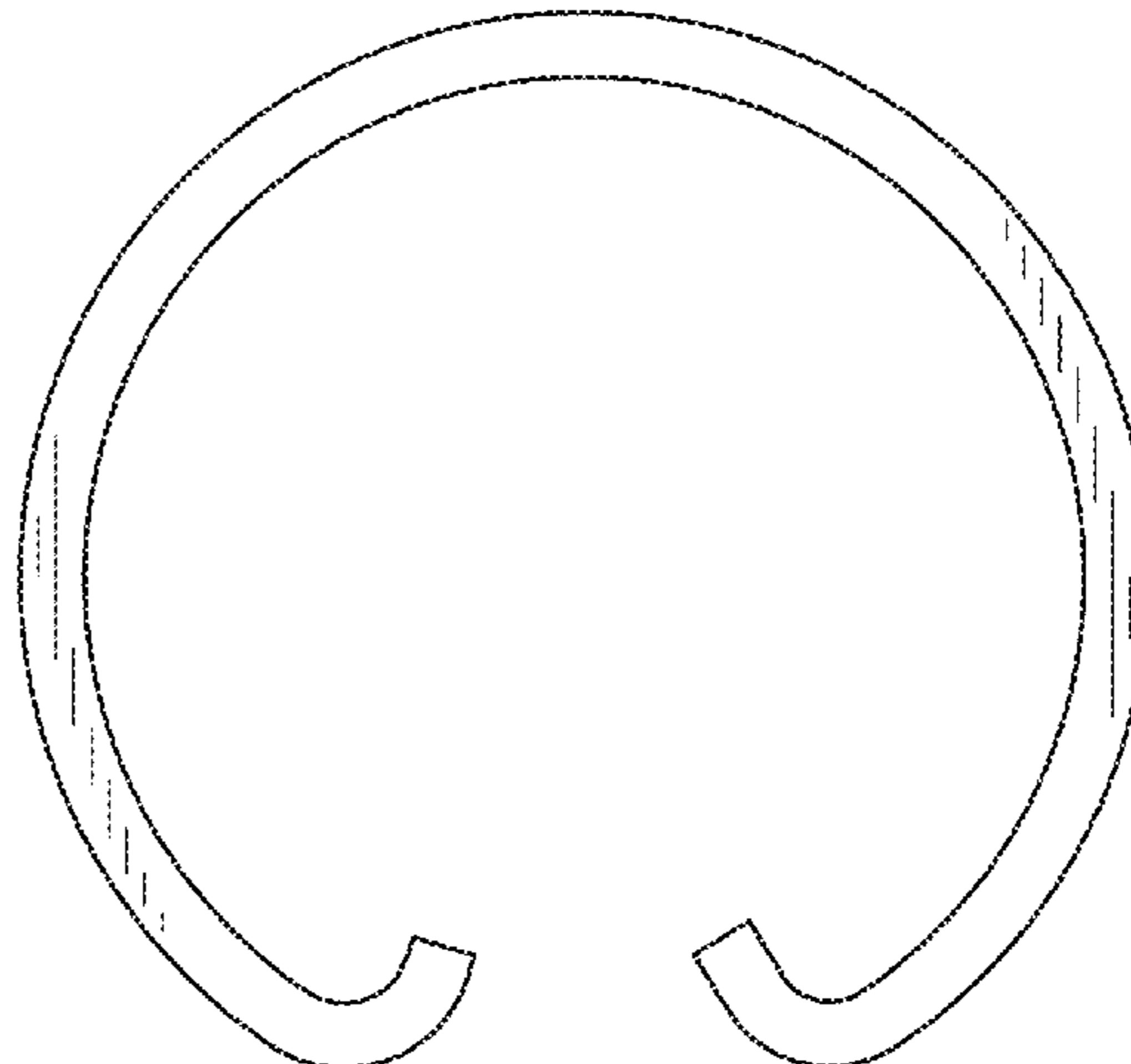
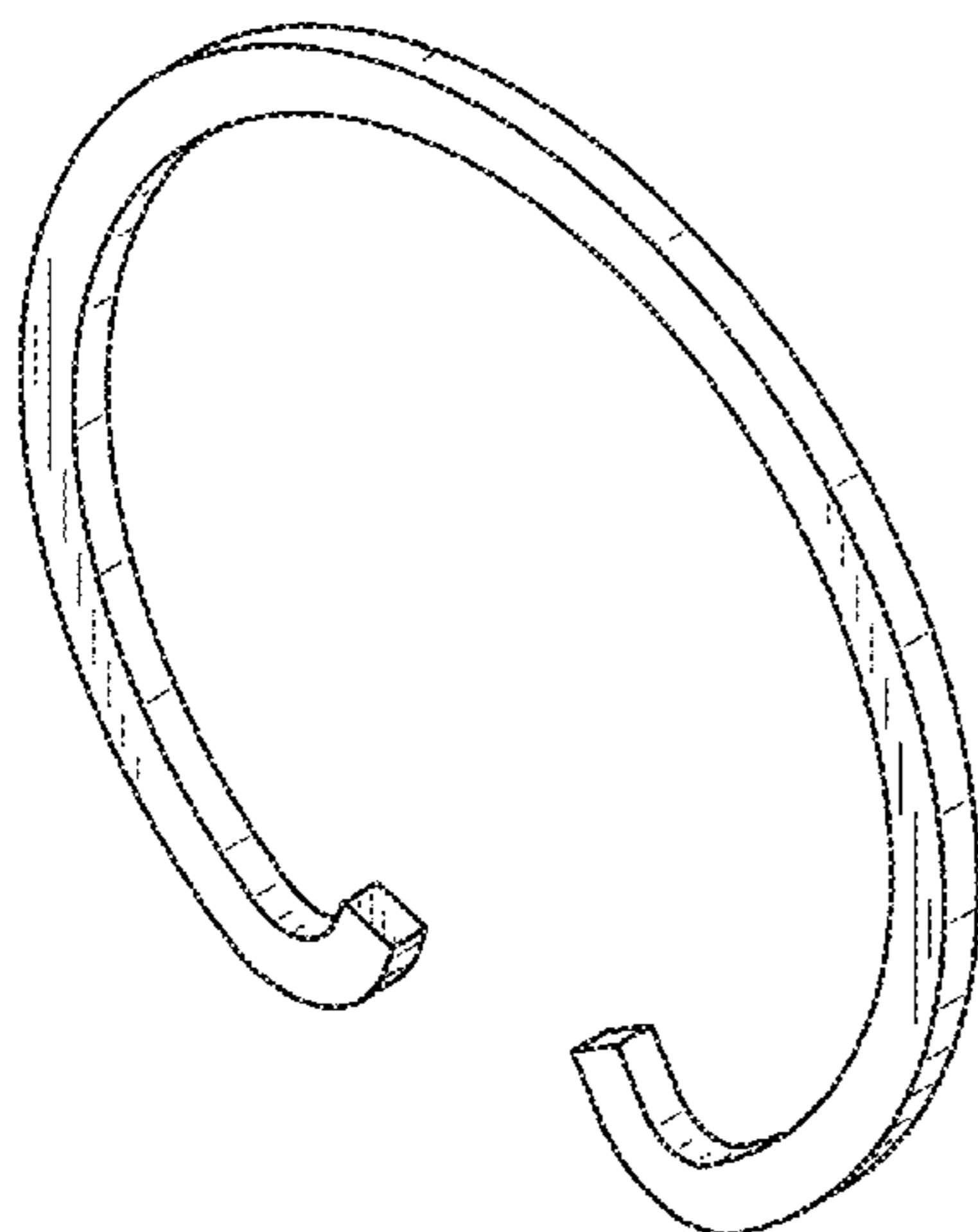
(57) **CLAIM**

The ornamental design for an internal snap member, as shown.

**DESCRIPTION**

FIG. 1 is a front, top and right-side perspective view of an internal snap member showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a left side view thereof; and,  
FIG. 7 is a right side view thereof.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

5,558,393 A 9/1996 Hawkins et al.  
 5,639,074 A 6/1997 Greenhill et al.  
 5,888,392 A \* 3/1999 Frizell ..... 210/238  
 5,921,122 A 7/1999 Lin  
 D426,425 S \* 6/2000 Hermanski ..... D7/400  
 D487,390 S 3/2004 Tanaka et al.  
 6,792,823 B2 \* 9/2004 Takahashi et al. .... 74/431  
 7,051,562 B2 \* 5/2006 Evans et al. .... 70/370  
 D540,153 S 4/2007 Tanaka et al.  
 7,212,647 B2 \* 5/2007 Kaneda et al. .... 381/396  
 7,390,029 B2 \* 6/2008 Matsubara ..... 285/321  
 D578,383 S \* 10/2008 Adams ..... D8/395  
 7,438,037 B2 \* 10/2008 Oogake et al. .... 123/193.2  
 D598,710 S \* 8/2009 Griffith ..... D7/412

D600,534 S \* 9/2009 Tokumoto ..... D8/354  
 D608,189 S \* 1/2010 Jackson et al. .... D8/395  
 7,682,377 B2 \* 3/2010 Konieczynski et al. .... 606/269  
 D618,502 S \* 6/2010 Cloutier ..... D7/400  
 D677,198 S \* 3/2013 Verbowski ..... D12/159  
 D677,559 S \* 3/2013 Taurins ..... D8/367  
 2007/0003273 A1 \* 1/2007 Yasuda ..... 396/349  
 2007/0114340 A1 \* 5/2007 Adams ..... 248/72  
 2008/0134877 A1 \* 6/2008 Tokumoto ..... 92/169.1  
 2008/0236542 A1 \* 10/2008 Tanimura et al. .... 123/337

OTHER PUBLICATIONS

U.S. Appl. No. 29/397,265; First Named Inventor: Youji Takakuwa;  
 Title: "Internal Snap Member"; filed Jul. 13, 2011.

\* cited by examiner

FIG. 1

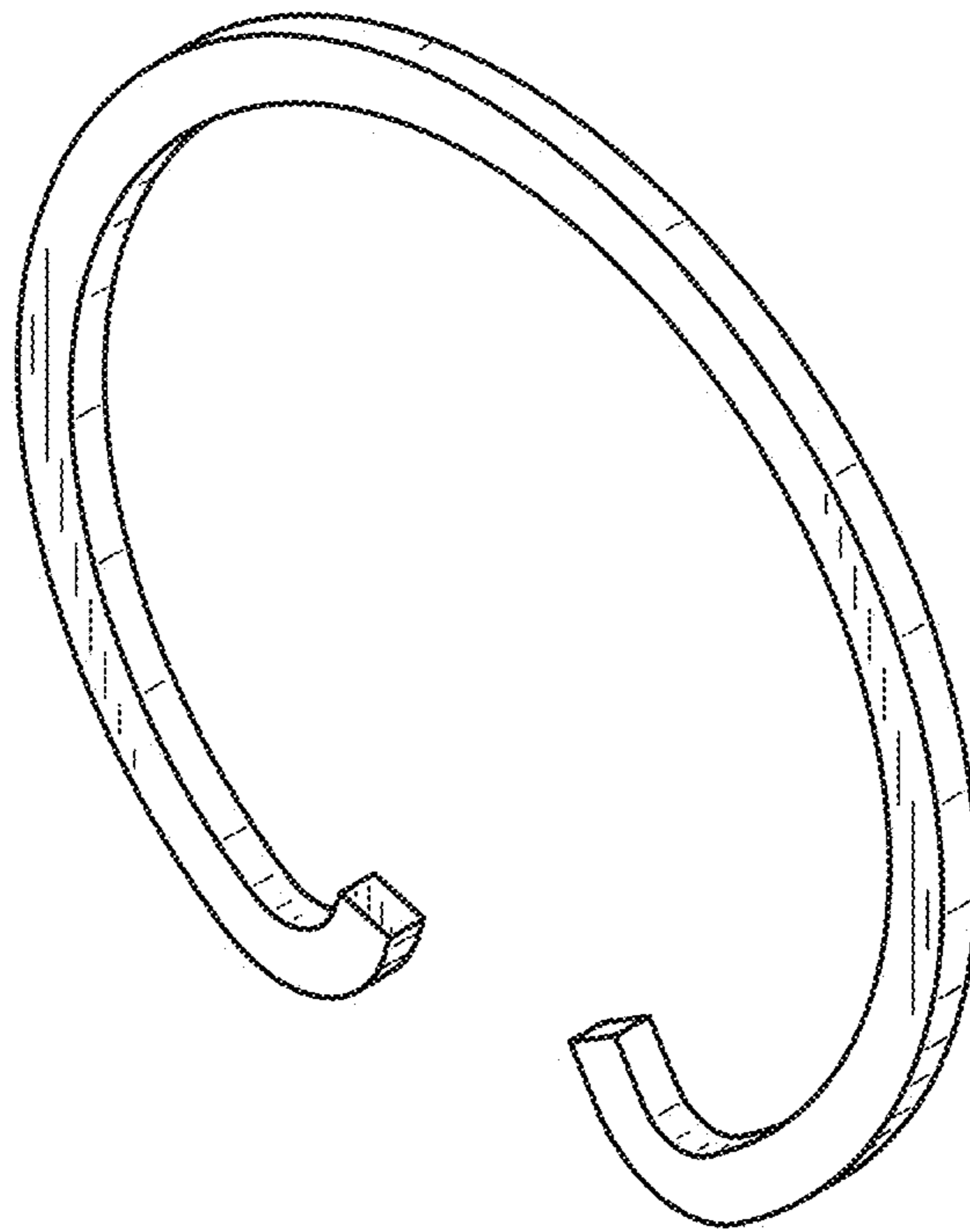


FIG. 2

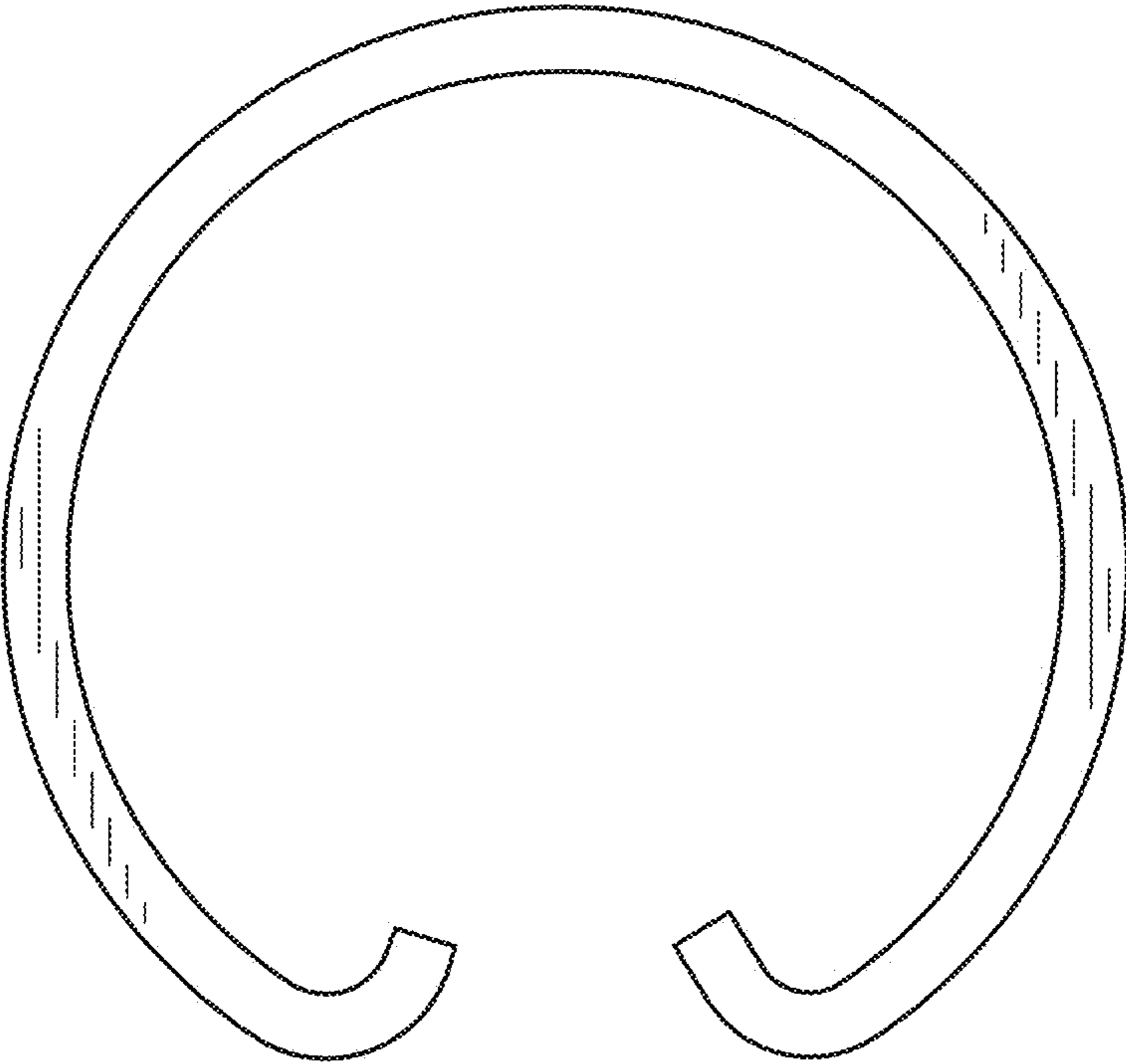


FIG. 3

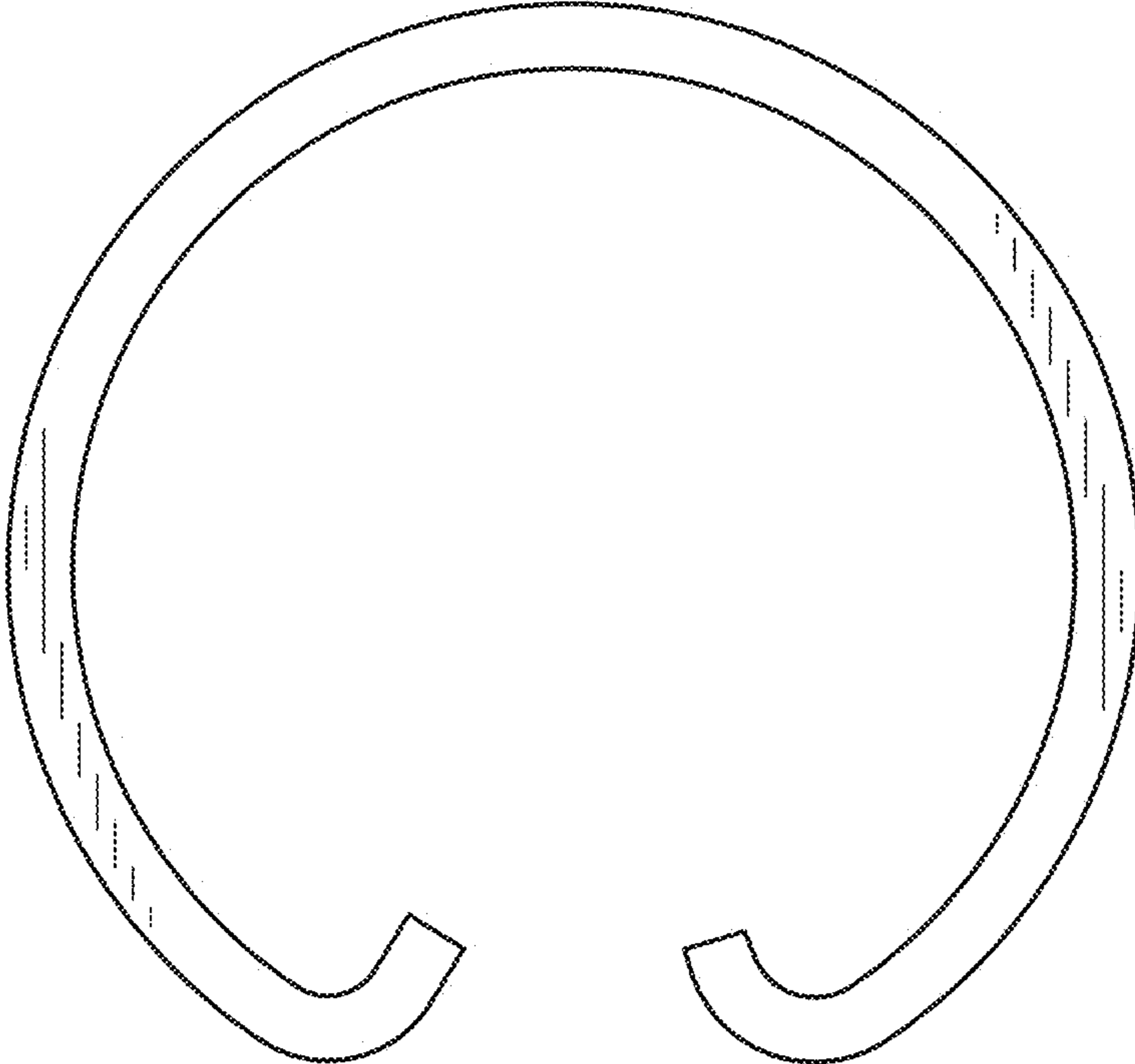


FIG. 4



FIG. 5



FIG. 6





FIG. 7

