



US00D807877S

(12) **United States Design Patent** (10) **Patent No.:** **US D807,877 S**
Iwamatsu et al. (45) **Date of Patent:** **** Jan. 16, 2018**

(54) **NON CONTACT TYPE PERSONAL AUTHENTICATION DEVICE**

(71) Applicant: **KONICA MINOLTA, INC.**, Chiyoda-ku, Tokyo (JP)

(72) Inventors: **Naoaki Iwamatsu**, Tokyo (JP); **Yu Iritani**, Tokyo (JP)

(73) Assignee: **KONICA MINOLTA, INC.**, Tokyo (JP)

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

(21) Appl. No.: **29/558,079**

(22) Filed: **Mar. 15, 2016**

(30) **Foreign Application Priority Data**

Oct. 7, 2015 (JP) 2015-022102

(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/344**; D14/383

(58) **Field of Classification Search**
USPC D14/300-302, 313, 314, 341, 348-370, D14/383, 385, 432, 436, 496, 125, 135, D14/134, 155, 167, 168, 230, 231, 233, D14/235, 237, 240-242, 299; D10/65, D10/75, 78; D13/103, 149, 162, 184, D13/199; D18/4.4-4.6, 12.1, 56; 361/679.31-679.45, 752; 711/100, 115; 382/115, 124; D24/167, 169, 186-187
CPC G06F 21/32; G06F 21/35; G06F 21/445; G06F 21/6209; G06F 1/163; G06F 1/1628; G06F 1/1626; G06F 10/02; G06F 1/1635; G06F 1/08; G06F 1/10; G06F 1/04; G06F 1/14; G06F 1/3203; G06K 9/00885; H04M 1/02; H04M 1/03; H04M 1/04; H04M 1/05; H04M 1/667; Y02B 60/1217; H04B 1/385; H04B 1/03
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,825,751 B1 * 11/2004 Kita G06K 19/04 340/10.52
D534,448 S * 1/2007 Shaffer, II D10/104.1
D583,817 S * 12/2008 Satou D14/383
D703,205 S * 4/2014 Tamura D14/383
D732,022 S * 6/2015 Song D14/344
D735,191 S * 7/2015 Song D10/38

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1346883 S 11/2008
JP D1512124 S 10/2014

(Continued)

OTHER PUBLICATIONS

Japanese Office Action dated Apr. 4, 2016 issued in corresponding Japanese Design Appln. No. 2015-022102, with English translation (2 pages).

Primary Examiner — Austin Murphy
(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

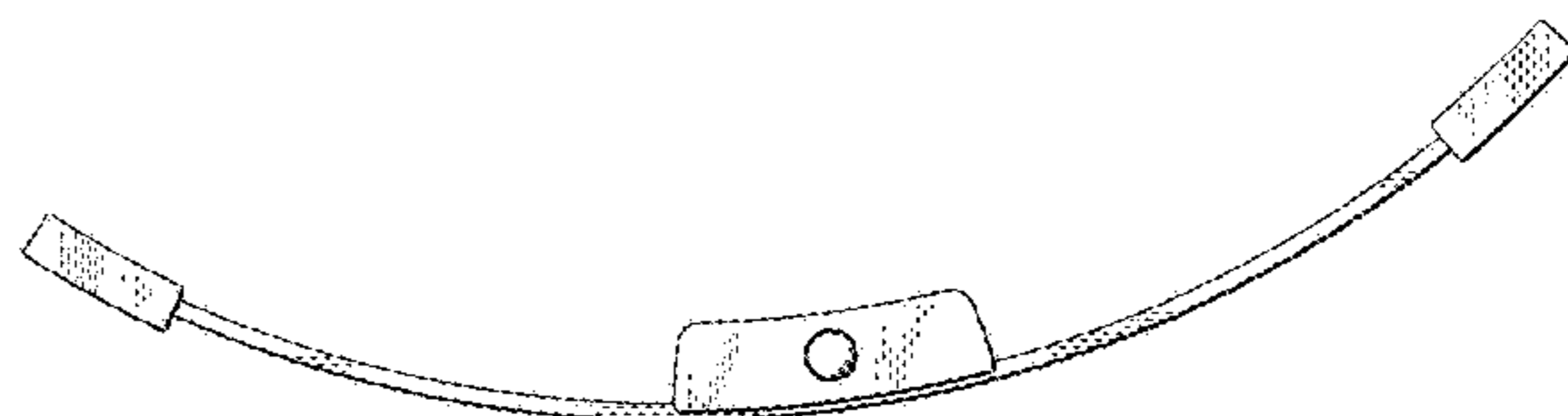
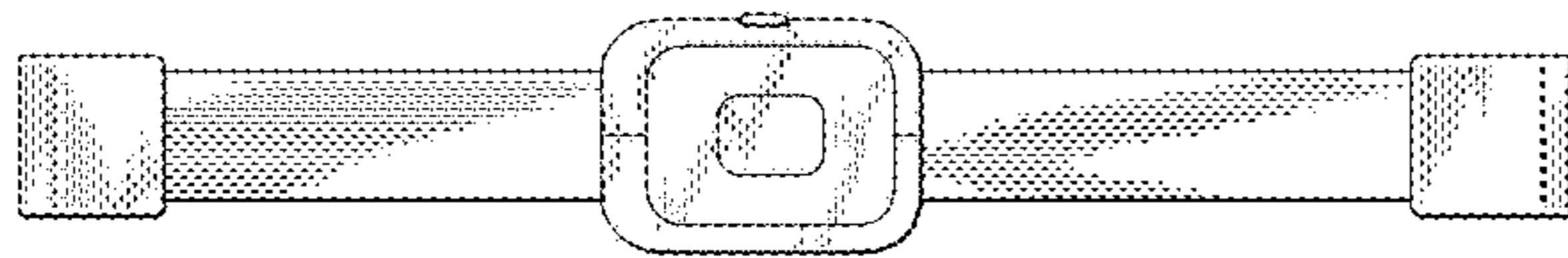
(57) **CLAIM**

The ornamental design for a non contact type personal authentication device, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a non contact type personal authentication device showing our new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a left view thereof;
FIG. 6 is a right view thereof; and,
FIG. 7 is a perspective view.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D736,652	S	*	8/2015	Isaacs	.....	D10/32
D745,005	S	*	12/2015	Kim	.....	D10/38
D749,569	S	*	2/2016	Ji	.....	D10/38
D752,580	S	*	3/2016	Choi	.....	D10/32
D753,510	S	*	4/2016	Puttorngul	.....	D10/30
D755,177	S	*	5/2016	Jung	.....	D14/344
D759,622	S	*	6/2016	Dahlberg	.....	D10/32
D765,656	S	*	9/2016	Forakis	.....	D10/38
D769,869	S	*	10/2016	Zhou	.....	D10/38
9,477,313	B2	*	10/2016	Mistry	.....	G06F 3/014
D771,038	S	*	11/2016	Akana	.....	D14/344
D771,042	S	*	11/2016	Ehrensverd	.....	D14/383
D772,228	S	*	11/2016	Jung	.....	D14/344
D773,459	S	*	12/2016	Jun	.....	D14/344
9,558,336	B2	*	1/2017	Lee	.....	A61B 5/681
D784,325	S	*	4/2017	Kim	.....	D14/341
D786,240	S	*	5/2017	Chuang	.....	D14/344
D786,241	S	*	5/2017	Chuang	.....	D14/344
D786,861	S	*	5/2017	Pu	.....	D14/344
D786,862	S	*	5/2017	Park	.....	D14/344
D788,608	S	*	6/2017	Houin	.....	D10/38
D789,357	S	*	6/2017	Wu	.....	D14/344
D790,366	S	*	6/2017	Nuovo	.....	D10/103
D790,374	S	*	6/2017	Lean	.....	D10/39
D791,122	S	*	7/2017	Lee	.....	D14/344
D795,864	S	*	8/2017	Akana	.....	D14/344
D796,363	S	*	9/2017	Ross	.....	D10/103
D797,728	S	*	9/2017	Sandock	.....	D14/344

FOREIGN PATENT DOCUMENTS

KR	300756966	8/2014
WO	DM087034	5/2015

* cited by examiner

FIG.1

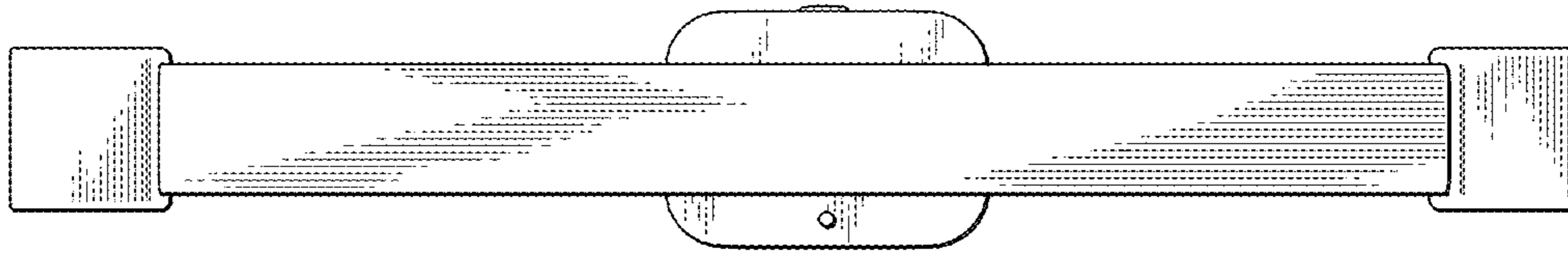


FIG.2

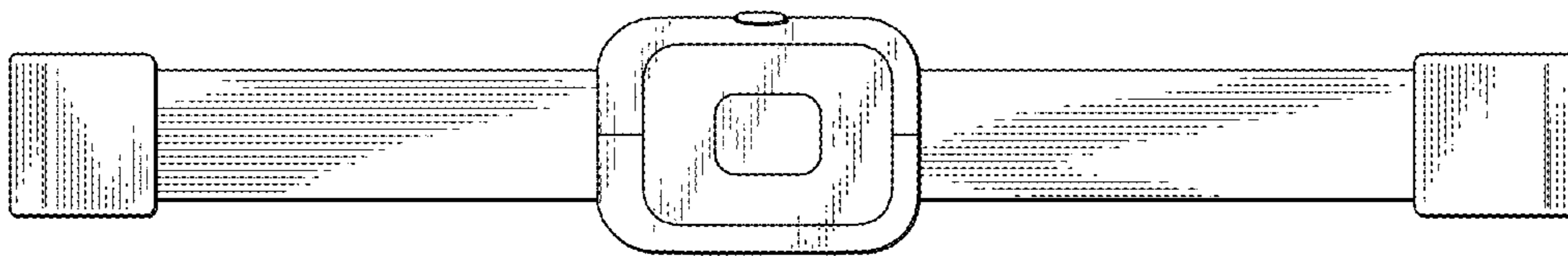


FIG.3

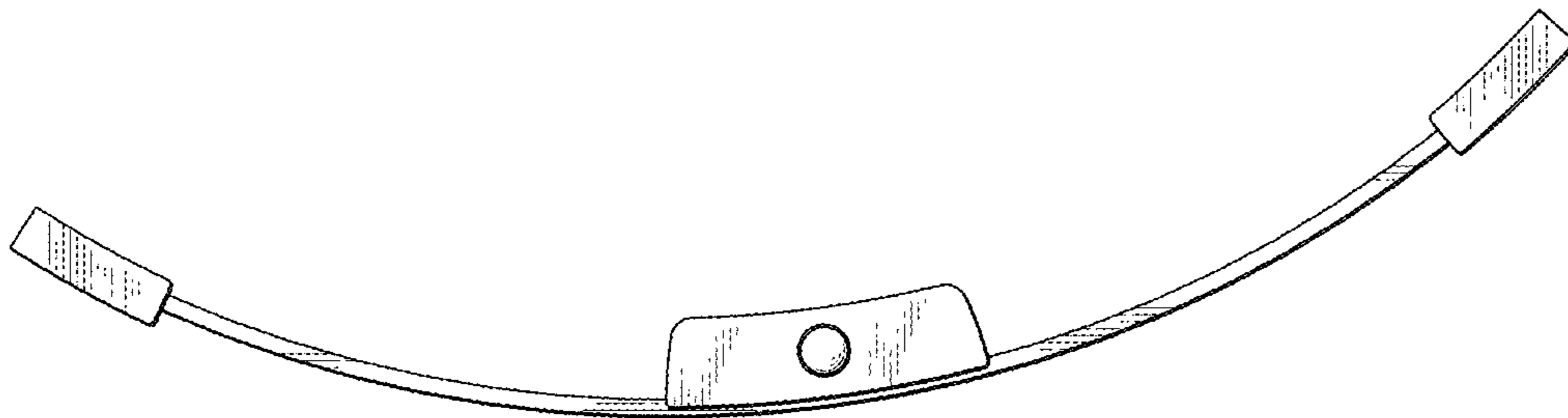


FIG.4

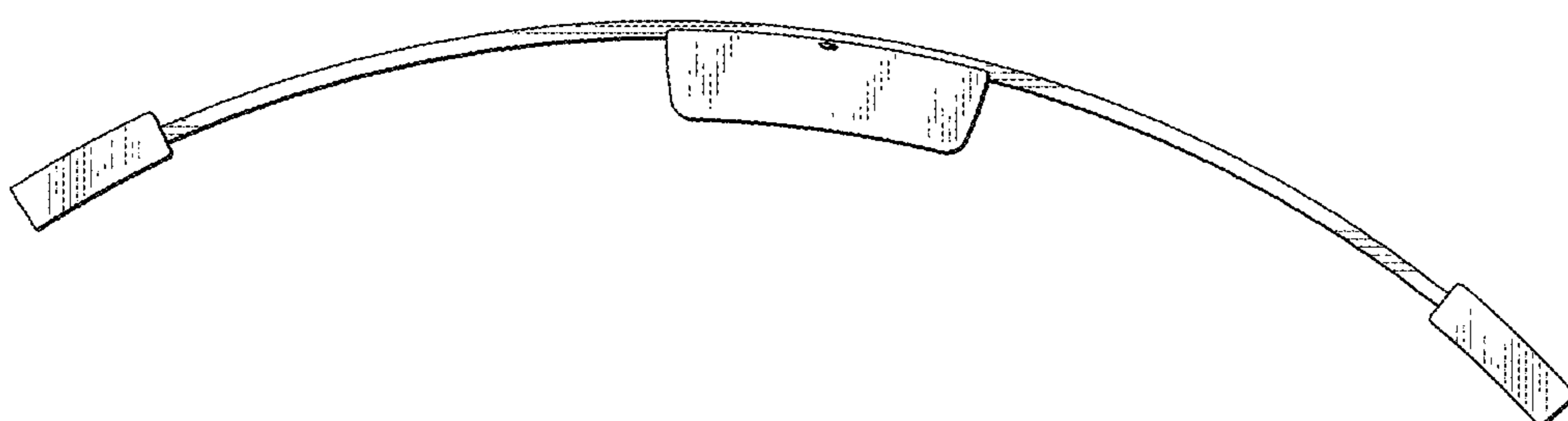


FIG.5

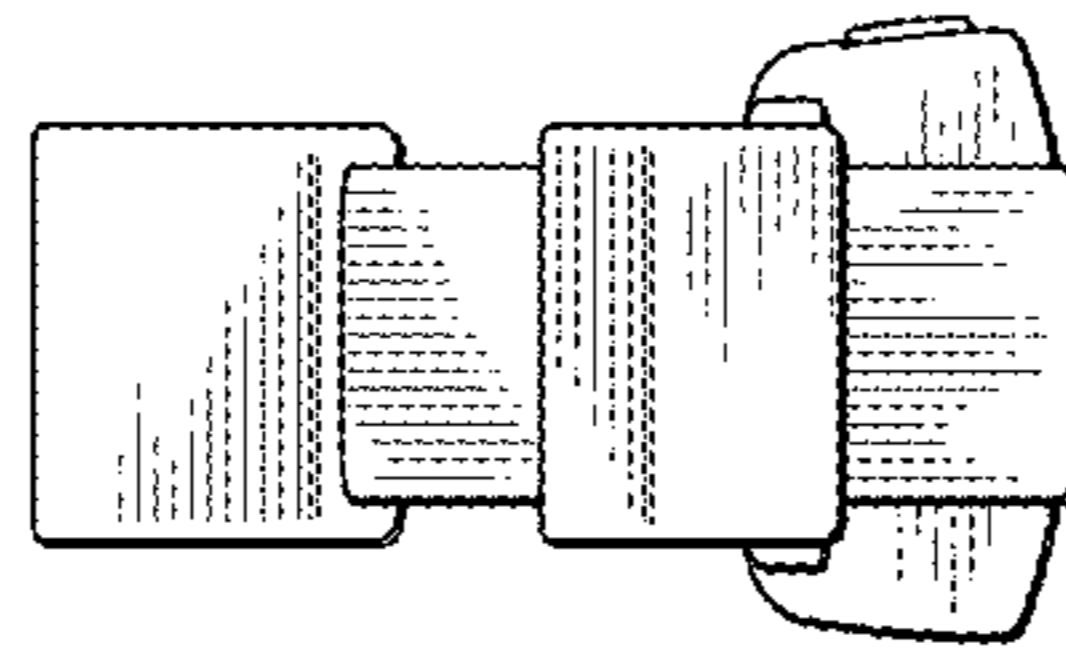


FIG.6

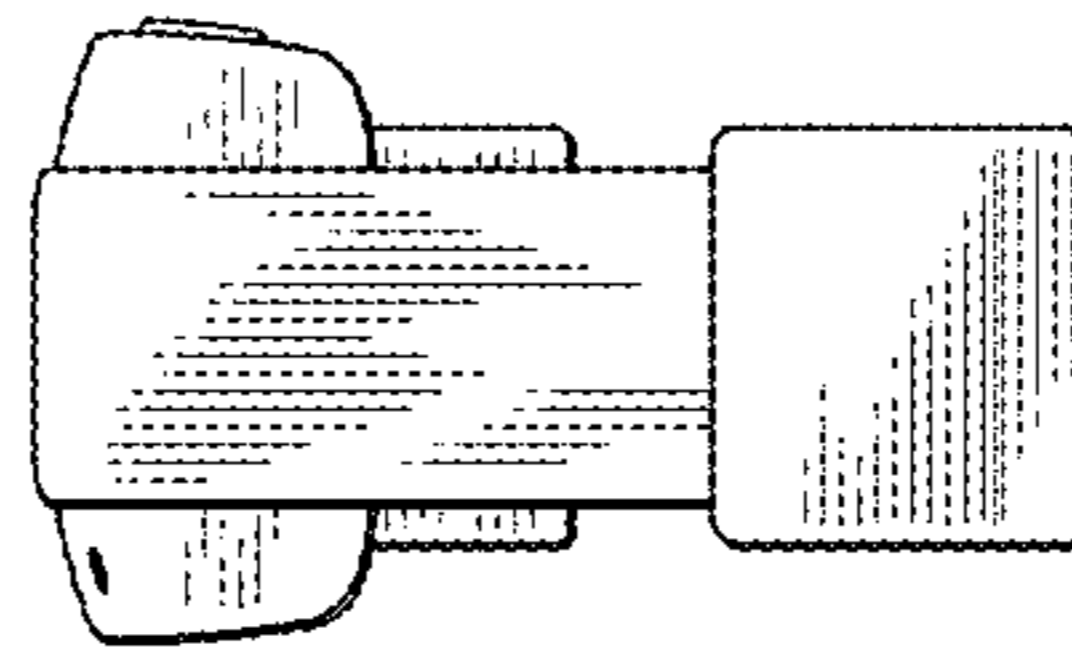


FIG.7

