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(12) United States Design Patent

Heusdens et al.

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(54) **DEFIBRILLATOR**

(71) Applicant: **CELLAED LIFE SAVER PTY LTD**, Elanora Heights (AU)

(72) Inventors: **Marco Heusdens**, Taipei (TW); **Vincent Chen**, Taipei (TW); **Berling Tang**, Taipei (TW)

(73) Assignee: **CELLAED LIFE SAVER PTY LTD**, Elanora Heights (AU)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/772,151**

(22) Filed: **Feb. 26, 2021**

(30) **Foreign Application Priority Data**

Aug. 31, 2020 (AU) 202014734

(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/167**

(58) **Field of Classification Search**
USPC D24/164, 165, 167, 168, 200, 133, 155; D13/108
CPC A61N 1/737517; A61N 1/36014; A61N 1/3756; A61N 1/3758; A61N 1/3787; A61N 1/39; A61N 1/3904; A61N 1/39044; A61N 1/3925; A61N 1/3956; A61N 1/3968; A61N 1/3975; A61N 1/046; A61N 1/0492
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,645,586 A * 7/1997 Meltzer A61N 1/3956 220/4.23
5,817,151 A 10/1998 Olson et al.
5,871,505 A 2/1999 Adams et al.
(Continued)

FOREIGN PATENT DOCUMENTS

CN 101745180 A 6/2010
EP 2450082 A1 5/2012
(Continued)

OTHER PUBLICATIONS

Dames, J.S., "Monophasic vs Biphasic Waveform Defibrillation," AED Superstore Website, published on Mar. 3, 2016, retrieved on Aug. 14, 2019, and available at <<https://www.aedsuperstore.com/resources/monophasic-vs-biphasic/>>, 9 pages.
(Continued)

Primary Examiner — Anhdao Doan
(74) *Attorney, Agent, or Firm* — Lee & Hayes, P.C.

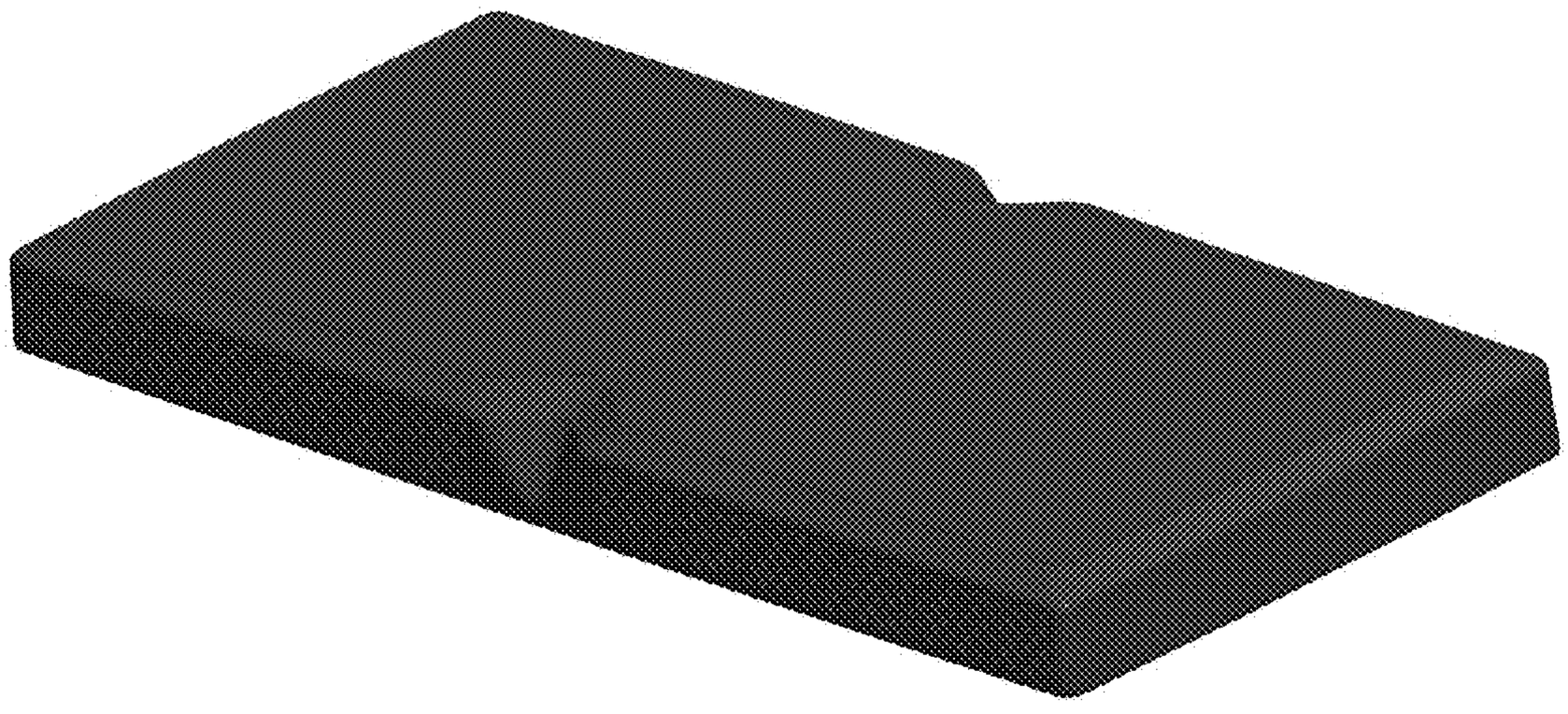
(57) **CLAIM**

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

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.
FIG. **1** is a top perspective view of the defibrillator showing the new design;
FIG. **2** is a bottom perspective view thereof;
FIG. **3** is a top view thereof;
FIG. **4** is a bottom view thereof;
FIG. **5** is a front view thereof, the back view thereof being identical to the front view thereof; and,
FIG. **6** is a left view thereof, the right view thereof being identical to the left view thereof.

1 Claim, 6 Drawing Sheets
(5 of 6 Drawing Sheet(s) Filed in Color)



(56) **References Cited**

U.S. PATENT DOCUMENTS

5,908,443	A		6/1999	Brewer et al.
6,353,758	B1		3/2002	Gliner et al.
6,456,877	B1		9/2002	Fishler
6,539,255	B1		3/2003	Brewer et al.
8,615,295	B2		12/2013	Savage et al.
D702,221	S		4/2014	Vandiver
D715,446	S	*	10/2014	Lee D24/167
D717,442	S		11/2014	Kaib et al.
D717,444	S		11/2014	Pastrick et al.
D764,670	S		8/2016	Finch et al.
D803,546	S		11/2017	Ackeret et al.
10,226,615	B2		3/2019	Lang et al.
D886,302	S		6/2020	Raghavan et al.
D890,346	S		7/2020	Lam et al.
D893,032	S		8/2020	Smith et al.
10,799,709	B2		10/2020	Teber et al.
D909,584	S		2/2021	Kalchman et al.
D914,896	S		3/2021	Hoshino et al.
D933,824	S	*	10/2021	Heusdens D24/167
D942,013	S	*	1/2022	Heusdens D24/167
2004/0260376	A1		12/2004	Craige, III et al.
2005/0244709	A1		11/2005	Bucher
2006/0247688	A1	*	11/2006	Olson A61N 1/375 607/5
2007/0142865	A1	*	6/2007	Bardy A61N 1/0504 607/5
2009/0240297	A1		9/2009	Shavit et al.
2010/0241181	A1		9/2010	Savage et al.
2012/0310315	A1		12/2012	Savage et al.
2014/0039593	A1		2/2014	Savage et al.
2014/0107718	A1		4/2014	Foote et al.
2014/0317914	A1		10/2014	Shaker
2016/0271408	A1		9/2016	Newton et al.
2017/0157415	A1		6/2017	Horseman et al.
2019/0117983	A1		4/2019	Andrews et al.
2019/0329057	A1		10/2019	Teber et al.

FOREIGN PATENT DOCUMENTS

WO	2001/010496	A2	2/2001
WO	2007/069162	A1	6/2007
WO	2007/135599	A2	11/2007
WO	2008/057302	A2	5/2008
WO	2010/149492	A1	12/2010
WO	2015/143460	A1	10/2015
WO	2016/095800	A1	6/2016
WO	2016/149680	A1	9/2016

OTHER PUBLICATIONS

Okamura, et al., "Evaluation of a Unique Defibrillation Unit with Dual-Vector Biphasic Waveform Capabilities: Towards a Miniaturized Defibrillator", Pacing and clinical electrophysiology : Pace, 40(2), Feb. 2017, pp. 108-114.

* cited by examiner

FIG. 1

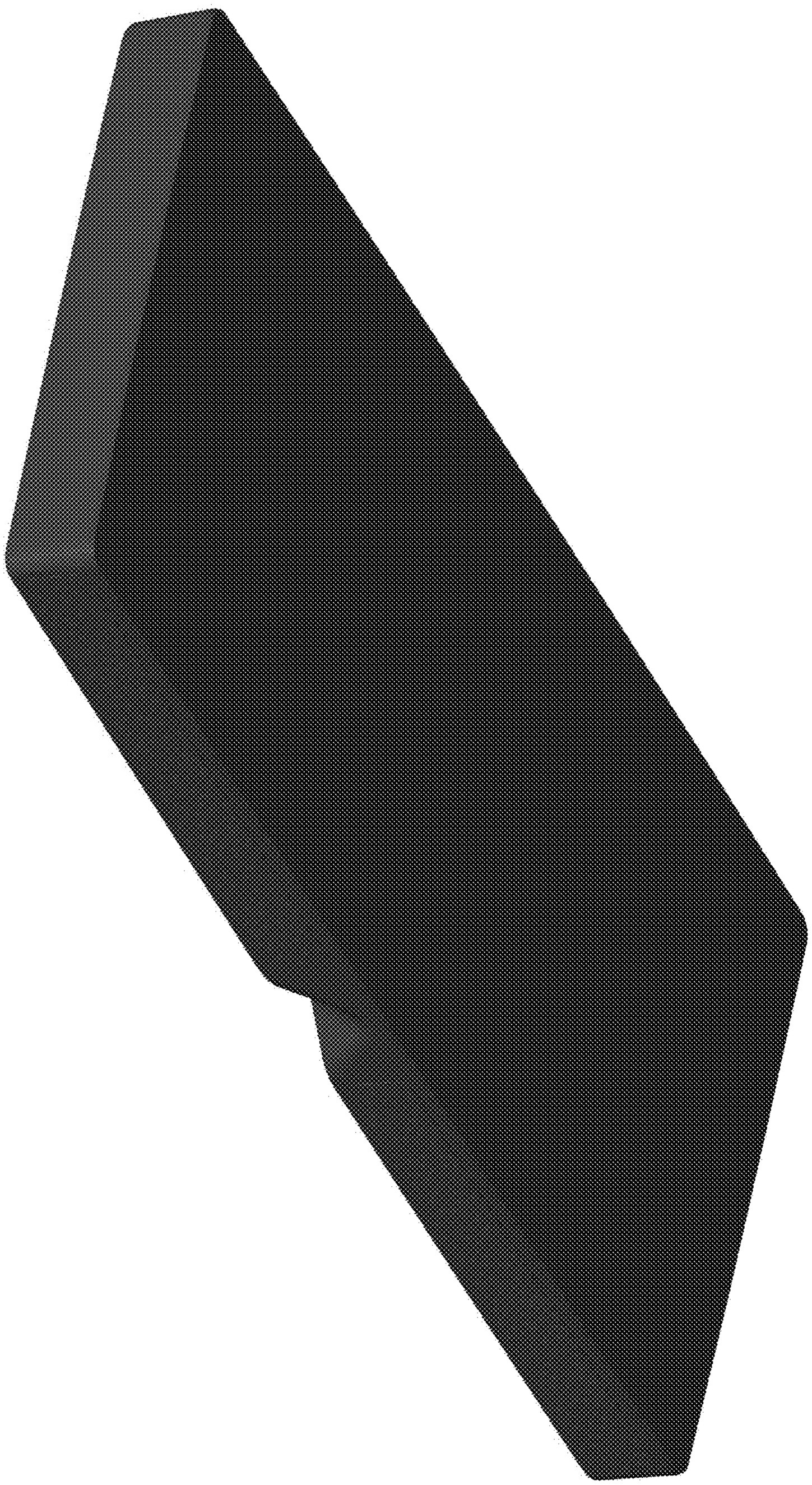


FIG. 2

FIG. 3

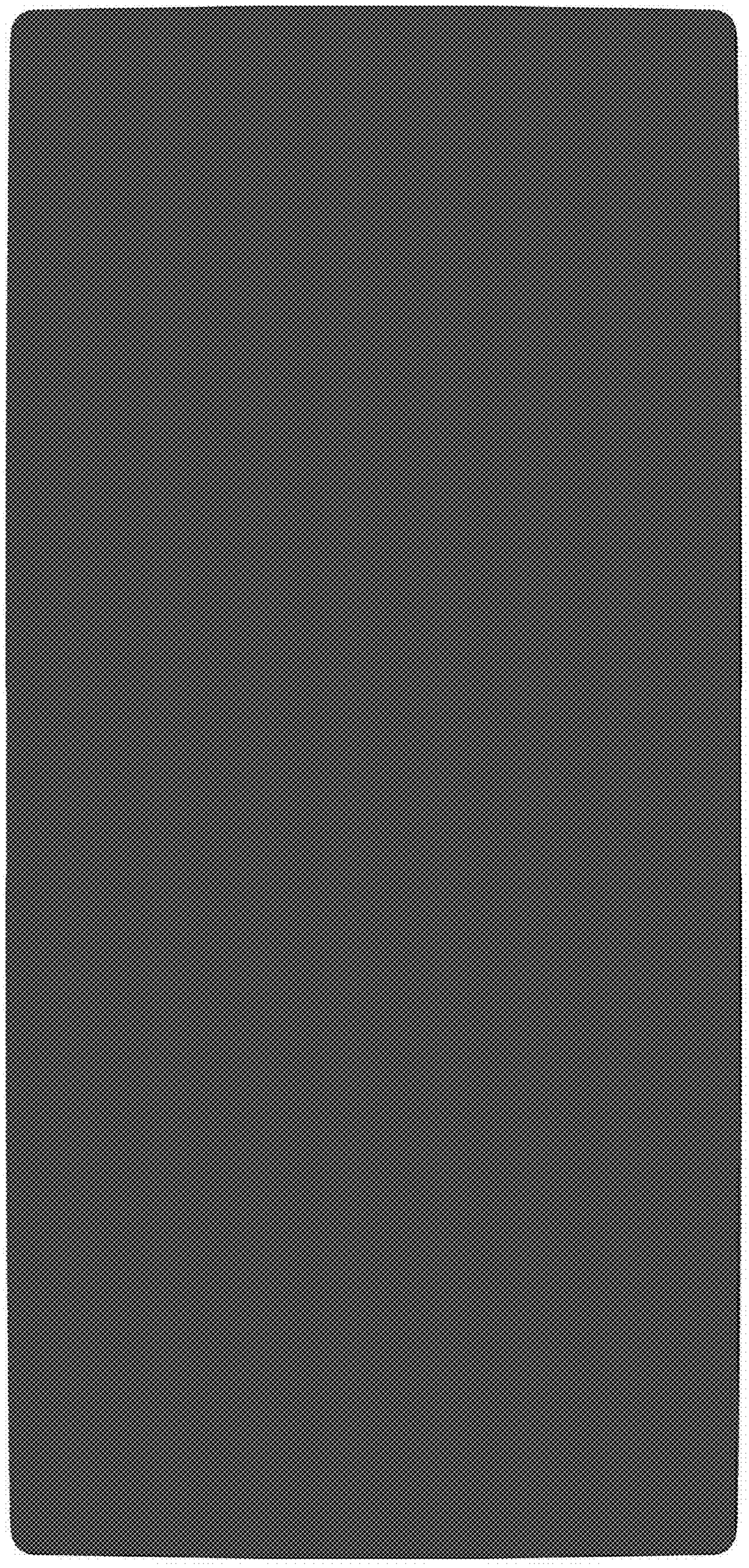


FIG. 4

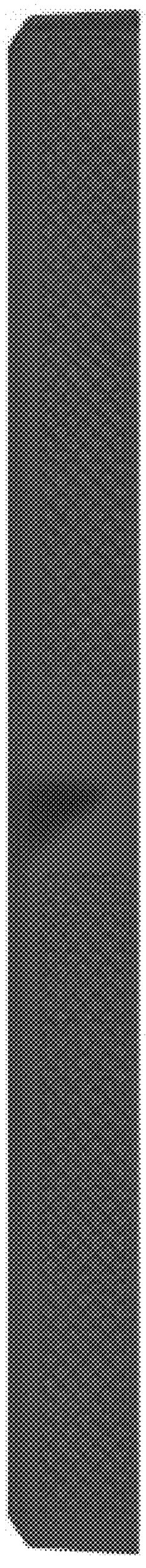


FIG. 5

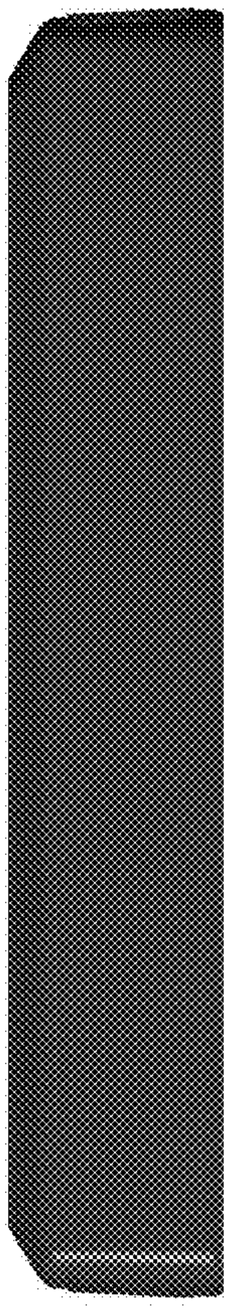


FIG. 6