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(12) **United States Design Patent** (10) **Patent No.:** **US D877,076 S**
Yonishi et al. (45) **Date of Patent:** **** Mar. 3, 2020**

(54) **RECHARGEABLE BATTERY**
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(52) **U.S. Cl.**
USPC **D13/119**
(58) **Field of Classification Search**
USPC D13/102-106, 110, 118-121, 184, 199
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D277,747 S 2/1985 Toth
D335,277 S 5/1993 Hattori
(Continued)

FOREIGN PATENT DOCUMENTS

JP D1355276 S 4/2009
JP D1405669 S 1/2011
(Continued)

Related U.S. Application Data

(63) Continuation of application No. 29/497,846, filed on Jul. 29, 2014, now Pat. No. Des. 788,696, which is a
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(30) **Foreign Application Priority Data**

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Jun. 5, 2012 (JP) D2012-013287
Jun. 5, 2012 (JP) D2012-013288
Jun. 5, 2012 (JP) D2012-013289
Jun. 5, 2012 (JP) D2012-013290
Jun. 5, 2012 (JP) D2012-013291
Jun. 5, 2012 (JP) D2012-013292
Jun. 5, 2012 (JP) D2012-013293
Jun. 5, 2012 (JP) D2012-013294
Jun. 5, 2012 (JP) D2012-013295
Jun. 5, 2012 (JP) D2012-013296
Jun. 5, 2012 (JP) D2012-013297
Jun. 5, 2012 (JP) D2012-013298
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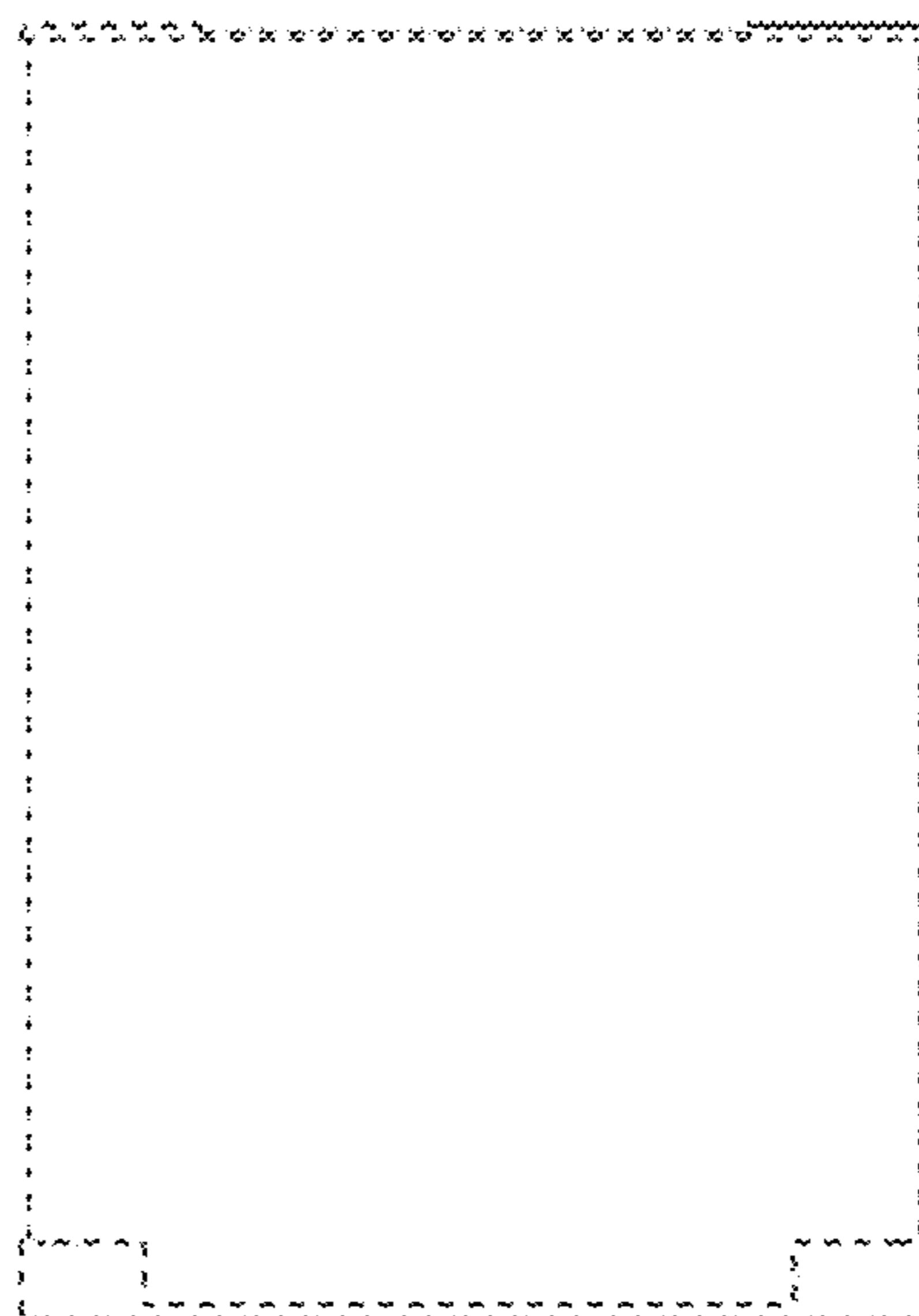
(57) **CLAIM**

The ornamental design for a rechargeable battery, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, right perspective view of a rechargeable battery showing our new design;
FIG. 2 is a front, bottom, left perspective view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof; and,
FIG. 6 is a bottom plan view thereof.
The broken lines shown in the drawings are for the purpose of illustrating portions of the rechargeable battery that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



Related U.S. Application Data

continuation of application No. 29/462,492, filed on Aug. 5, 2013, now Pat. No. Des. 711,826, which is a continuation of application No. 29/442,045, filed on Nov. 21, 2012, now Pat. No. Des. 687,777.

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(58) **Field of Classification Search**

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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D356,291 S 3/1995 Kawamura
 D362,839 S 10/1995 Tamaki
 D363,055 S * 10/1995 Kobayashi D13/103
 D400,848 S 11/1998 Clark et al.
 D417,860 S 12/1999 Lau
 D426,513 S 6/2000 Toops et al.
 D439,877 S 4/2001 Vacheron et al.
 6,376,122 B1 4/2002 Cheeseman
 D473,186 S 4/2003 Grosfeld et al.
 D478,086 S 8/2003 Chuang
 D486,789 S 2/2004 Santiago
 D490,370 S 5/2004 Picardo
 D509,182 S 9/2005 Takeshita et al.
 D515,499 S 2/2006 Matsuda et al.
 D516,018 S 2/2006 Ohsako et al.
 D516,019 S 2/2006 Ohsako et al.
 D516,503 S 3/2006 Takeshita et al.
 D548,181 S 8/2007 Krieger et al.
 D582,845 S * 12/2008 O'Hern D13/110
 7,462,417 B2 12/2008 Moon
 D586,741 S * 2/2009 Song D13/103
 D586,742 S 2/2009 Song
 D590,334 S 4/2009 Tatehata et al.
 D590,335 S 4/2009 Tatehata et al.
 D590,336 S 4/2009 Tatehata et al.
 D590,337 S 4/2009 Tatehata et al.
 D590,341 S 4/2009 Tatehata et al.
 D590,769 S 4/2009 Tatehata et al.
 D592,130 S 5/2009 Tatehata et al.
 D593,940 S * 6/2009 Nomi D13/103
 D601,494 S 10/2009 Otani et al.
 D604,696 S 11/2009 Tasai
 D608,276 S 1/2010 Takeshita et al.
 D618,171 S 6/2010 Tatehata et al.

D619,959 S 7/2010 Takeshita et al.
 D622,213 S 8/2010 Nomi et al.
 D623,590 S 9/2010 Otani et al.
 D635,512 S 4/2011 Tatehata et al.
 7,985,501 B2 7/2011 Kim et al.
 D642,980 S 8/2011 Inaba
 D643,814 S * 8/2011 Tanaka D13/120
 7,989,105 B2 8/2011 Suzuki et al.
 D644,988 S 9/2011 Finney et al.
 D645,814 S 9/2011 Otani et al.
 D646,222 S 10/2011 Tatehata et al.
 D654,016 S * 2/2012 Neidhart D13/103
 D662,473 S 6/2012 Andre et al.
 D669,427 S 10/2012 Ignor et al.
 D682,777 S * 5/2013 Gupta D13/103
 D685,319 S 7/2013 Ignor et al.
 D686,148 S 7/2013 Inaba
 D686,981 S 7/2013 Koyabu et al.
 D687,777 S 8/2013 Yonishi et al.
 D688,198 S 8/2013 Takeshita et al.
 D709,823 S * 7/2014 Corley D13/103
 D711,821 S * 8/2014 Wang D13/103
 D711,826 S 8/2014 Yonishi et al.
 D733,050 S * 6/2015 Chiang D13/103
 D733,051 S * 6/2015 Wang D13/103
 D740,226 S * 10/2015 Kitsugi D13/119
 D740,752 S * 10/2015 Kitsugi D13/119
 D741,800 S * 10/2015 Yonishi D13/119
 D747,264 S * 1/2016 Kitsugi D13/103
 D763,185 S * 8/2016 Wen D13/103
 D768,069 S * 10/2016 Hoshikawa D13/103
 D788,696 S * 6/2017 Yonishi D13/103
 D791,070 S * 7/2017 Son D13/103
 D799,425 S * 10/2017 Kitsugi D13/119
 D812,000 S * 3/2018 Li D13/108
 D833,973 S * 11/2018 Kitsugi D13/119
 D839,823 S * 2/2019 Lemelson D13/103
 D842,237 S * 3/2019 Qiu D13/103
 D845,377 S * 4/2019 Masano D16/242
 2004/0053128 A1 3/2004 Smith et al.
 2005/0008931 A1 1/2005 Axelrod
 2005/0208345 A1 * 9/2005 Yoon H01M 2/0434
 429/7
 2006/0281002 A1 12/2006 Aoki et al.
 2008/0152994 A1 6/2008 Yamagami et al.
 2008/0254348 A1 * 10/2008 Hatta H01M 2/021
 429/94
 2008/0305367 A1 12/2008 Baek et al.
 2011/0129697 A1 6/2011 Sim et al.
 2011/0151284 A1 6/2011 Baek et al.
 2011/0177362 A1 7/2011 Kim et al.
 2011/0250489 A1 10/2011 Baek et al.
 2012/0070697 A1 * 3/2012 Baek H01M 2/0473
 429/7
 2012/0106015 A1 5/2012 Kwak et al.
 2012/0121945 A1 5/2012 Kim
 2013/0224530 A1 8/2013 Baek et al.
 2013/0230746 A1 9/2013 Byun

FOREIGN PATENT DOCUMENTS

WO WO-DM/063870 S 7/2003
 WO WO-DM/065508 S 7/2003
 WO WO-DM/069177 S 9/2007

* cited by examiner

FIG.1

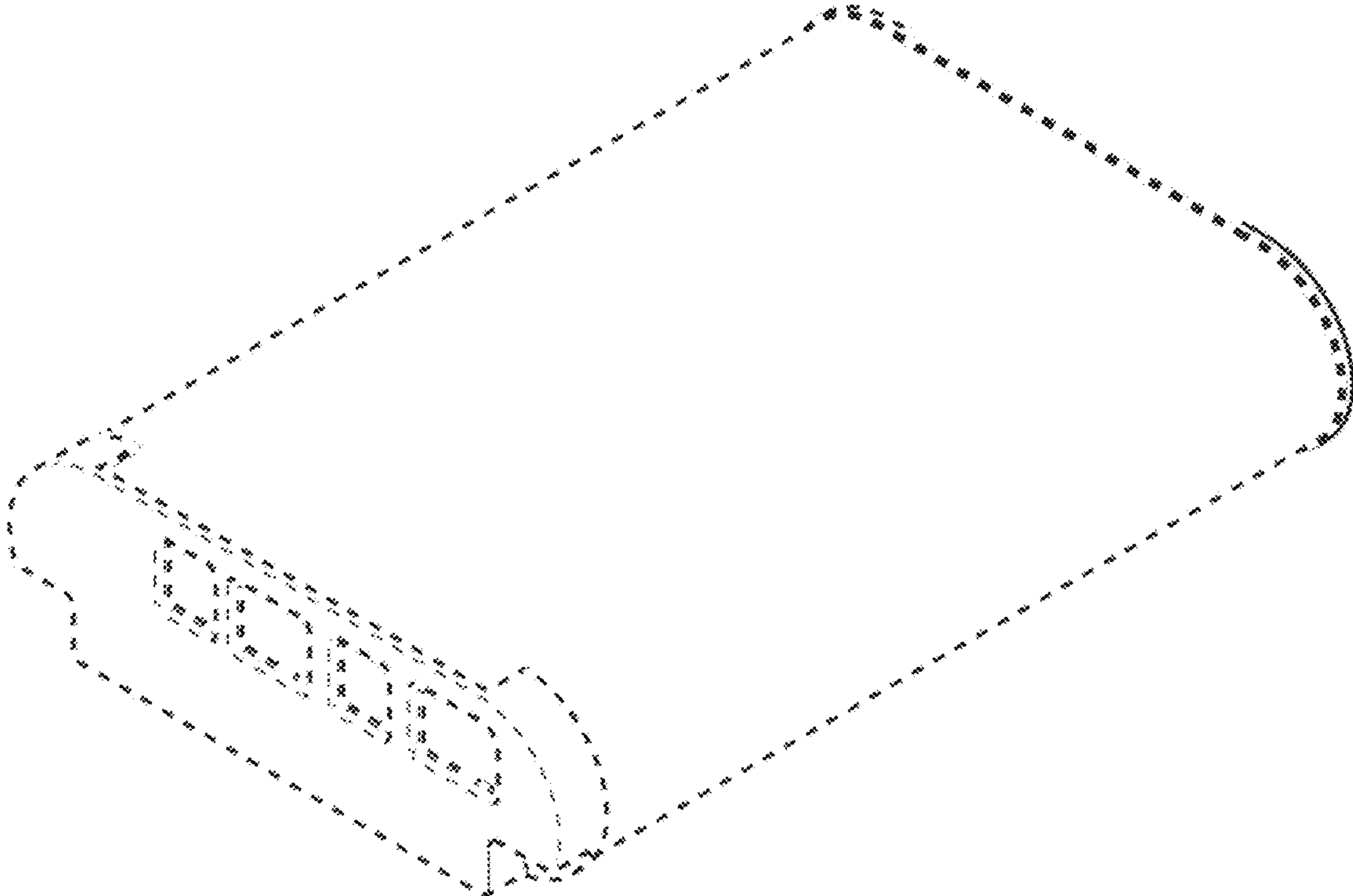


FIG.2

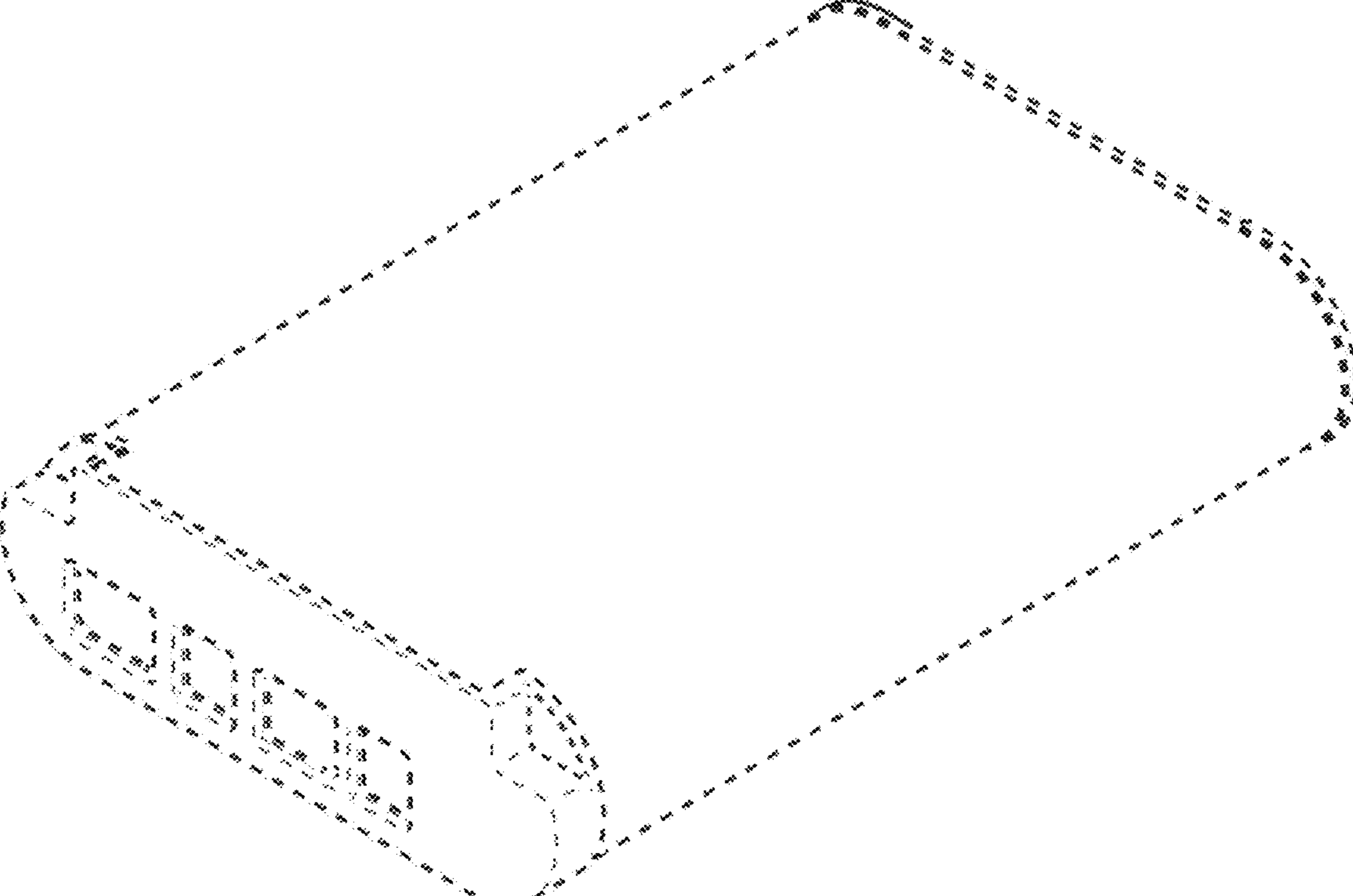


FIG.3



FIG.4

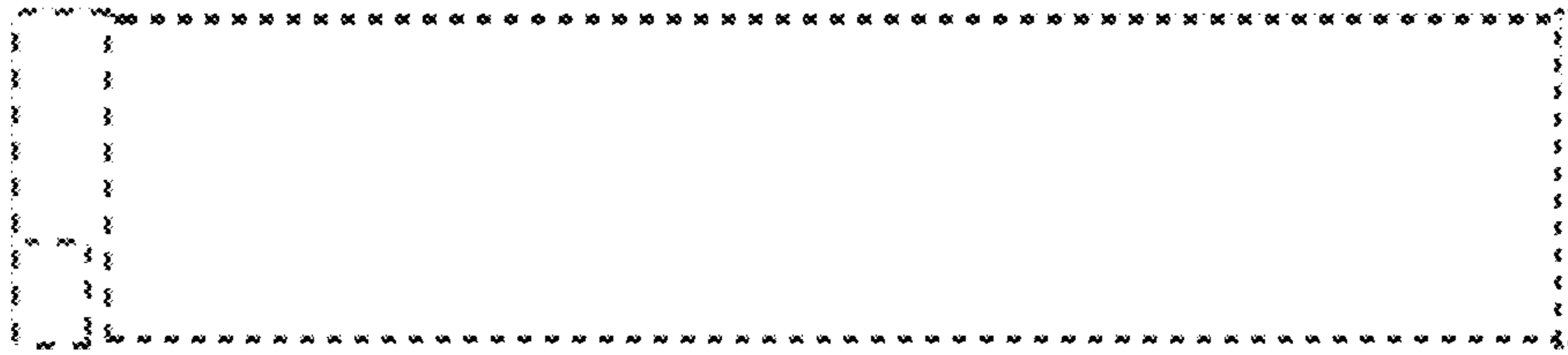


FIG.6



FIG.5

