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(12) **United States Design Patent** (10) **Patent No.:** **US D770,378 S**
Lin (45) **Date of Patent:** **** Nov. 1, 2016**

(54) **RECHARGEABLE BATTERY DEVICE**

(56) **References Cited**

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

(21) Appl. No.: **29/548,448**

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U.S. PATENT DOCUMENTS

D311,373 S	10/1990	Morisse et al.
D320,212 S	9/1991	Someya
D357,896 S	5/1995	Berry
D363,056 S	10/1995	Vinciarelli et al.
D375,933 S	11/1996	Kao
D382,536 S	8/1997	Amero, Jr.
D409,136 S	5/1999	Sumita et al.
D409,623 S	5/1999	Bianco
6,394,343 B1	5/2002	Berg et al.
6,406,811 B1	6/2002	Hall et al.
6,499,190 B2	12/2002	Ruiz Rodriguez
D468,720 S	1/2003	Birkholz

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 29/502,977, filed Sep. 22, 2014, Lin.

(Continued)

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(57)

CLAIM

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

DESCRIPTION

FIG. 1 is a front perspective view of the rechargeable battery device;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a right elevation view thereof;

FIG. 6 is a left elevation view thereof;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view thereof.

The broken lines showing a rechargeable battery device are included for the purpose of illustrating environment and form no part of the claimed design.

Related U.S. Application Data

(62) Division of application No. 29/502,977, filed on Sep. 22, 2014, now Pat. No. Des. 751,981.

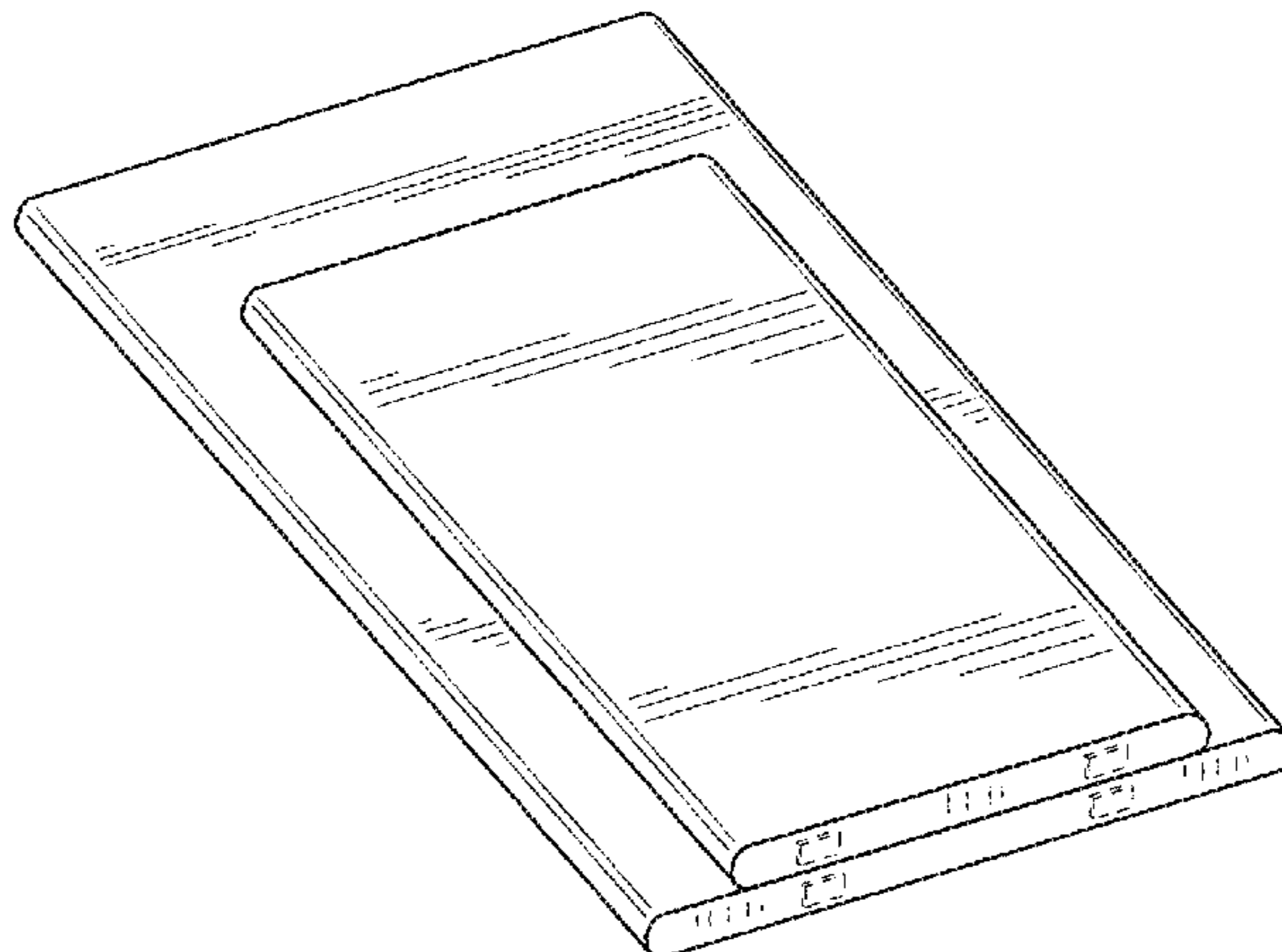
(51) **LOC (10) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/103**

(58) **Field of Classification Search**
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Y02E 60/50; H01M 2/02; H01M 2/022;
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See application file for complete search history.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D496,906 S 10/2004 Vinciarelli et al.
 D506,438 S 6/2005 Vinciarelli et al.
 D509,472 S 9/2005 Vinciarelli et al.
 D517,476 S 3/2006 Green
 D524,242 S 7/2006 Adams et al.
 D531,134 S 10/2006 Nielsen et al.
 D580,953 S 11/2008 Andre et al.
 D593,489 S 6/2009 Yang
 D611,407 S 3/2010 Webb
 D629,365 S 12/2010 Garcia De Vicuna
 D662,044 S 6/2012 Lemelman et al.
 D669,427 S 10/2012 Ignor et al.
 D682,778 S 5/2013 Baumgartner et al.
 D684,926 S 6/2013 Murchison
 D685,319 S 7/2013 Ignor et al.
 D689,019 S 9/2013 Sato et al.
 D700,139 S 2/2014 Chan et al.
 D705,782 S 5/2014 McParland et al.
 D711,311 S 8/2014 Corbin et al.
 D715,219 S 10/2014 Ceyress et al.
 D719,087 S 12/2014 Bataillou et al.
 D724,020 S 3/2015 Kwon et al.
 D724,528 S 3/2015 Kwon et al.
 D724,530 S 3/2015 Kwon et al.
 D724,533 S 3/2015 Kwon et al.
 D725,559 S 3/2015 Robinson
 D729,727 S 5/2015 Lin
 D730,279 S 5/2015 Lin
 D731,419 S 6/2015 Kao et al.
 D733,051 S 6/2015 Wang
 D742,312 S * 11/2015 Gupta D13/103
 D743,329 S * 11/2015 Aiken D13/102
 D743,333 S * 11/2015 Nomi D13/108
 9,214,651 B1 * 12/2015 Ahn H01M 2/0207
 9,214,671 B2 * 12/2015 Saruwatari H01M 4/131
 9,219,257 B2 * 12/2015 Yamaguchi H01M 2/0275
 9,224,516 B2 * 12/2015 Nelson G06K 19/0702
 9,231,236 B2 * 1/2016 Koh H01M 2/0277
 9,231,238 B2 * 1/2016 Noda H01M 2/162
 9,263,744 B2 * 2/2016 Yamamoto B60L 1/06
 D751,981 S * 3/2016 Lin D13/103
 D751,982 S * 3/2016 Lin D13/103
 D751,983 S * 3/2016 Lin D13/103
 D751,984 S * 3/2016 Lin D13/103
 D752,509 S * 3/2016 Lin D13/103
 D752,510 S * 3/2016 Lin D13/103
 2009/0098443 A1 4/2009 Yamamoto et al.
 2011/0117418 A1 5/2011 Meintschel
 2013/0202932 A1 8/2013 Song et al.
 2014/0072850 A1 3/2014 Kwon
 2015/0288021 A1 10/2015 Kwon
 2015/0318579 A1 * 11/2015 Kwon H01M 10/0585
 429/156

2015/0380715 A1* 12/2015 Ahn H01M 2/30
 429/179
 2016/0013680 A1* 1/2016 Liang H02J 7/025
 320/108
 2016/0036012 A1* 2/2016 Kreitman H01M 2/08
 429/185
 2016/0072154 A1* 3/2016 Kim H01M 2/1061
 429/179
 2016/0079635 A1* 3/2016 Niwa H01M 2/204
 324/426
 2016/0093837 A1* 3/2016 Bushnell H01M 2/0202
 429/176
 2016/0104919 A1* 4/2016 Arishima H01M 10/0525
 429/57

OTHER PUBLICATIONS

U.S. Appl. No. 29/502,983, filed Sep. 22, 2014, Lin.
 U.S. Appl. No. 29/502,985, filed Sep. 22, 2014, Lin.
 U.S. Appl. No. 29/502,986, filed Sep. 22, 2014, Lin.
 U.S. Appl. No. 29/502,988, filed Sep. 22, 2014, Lin.
 U.S. Appl. No. 29/502,990, filed Sep. 22, 2014, Lin.
 U.S. Appl. No. 29/514,954, filed Jan. 19, 2015, Lin.
 U.S. Appl. No. 29/517,938, filed Feb. 18, 2015, Lin.
 U.S. Appl. No. 29/517,939, filed Feb. 18, 2015, Lin.
 U.S. Appl. No. 29/518,222, filed Feb. 20, 2015, Lin.
 U.S. Appl. No. 29/548,450, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,453, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,457, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,458, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,459, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,460, filed Dec. 14, 2015, Lin.
 Notice of Allowance for U.S. Appl. No. 29/479,883, mailed Jan. 21,
 2015 6 pages.
 Notice of Allowance for U.S. Appl. No. 29/491,238, mailed Jan. 5,
 2015, 8 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,977, mailed Nov. 2,
 2015 11 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,983, mailed Nov.
 13, 2015 8 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,985, mailed Nov.
 10, 2015 11 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,986, mailed Nov. 4,
 2015 12 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,988, mailed Nov.
 18, 2015 12 pages.
 Notice of Allowance for U.S. Appl. No. 29/502,990, mailed Nov. 2,
 2015 11 pages.
 U.S. Appl. No. 29/548,461, filed Dec. 14, 2015, Lin.
 U.S. Appl. No. 29/548,463, filed Dec. 14, 2015, Lin.

* cited by examiner

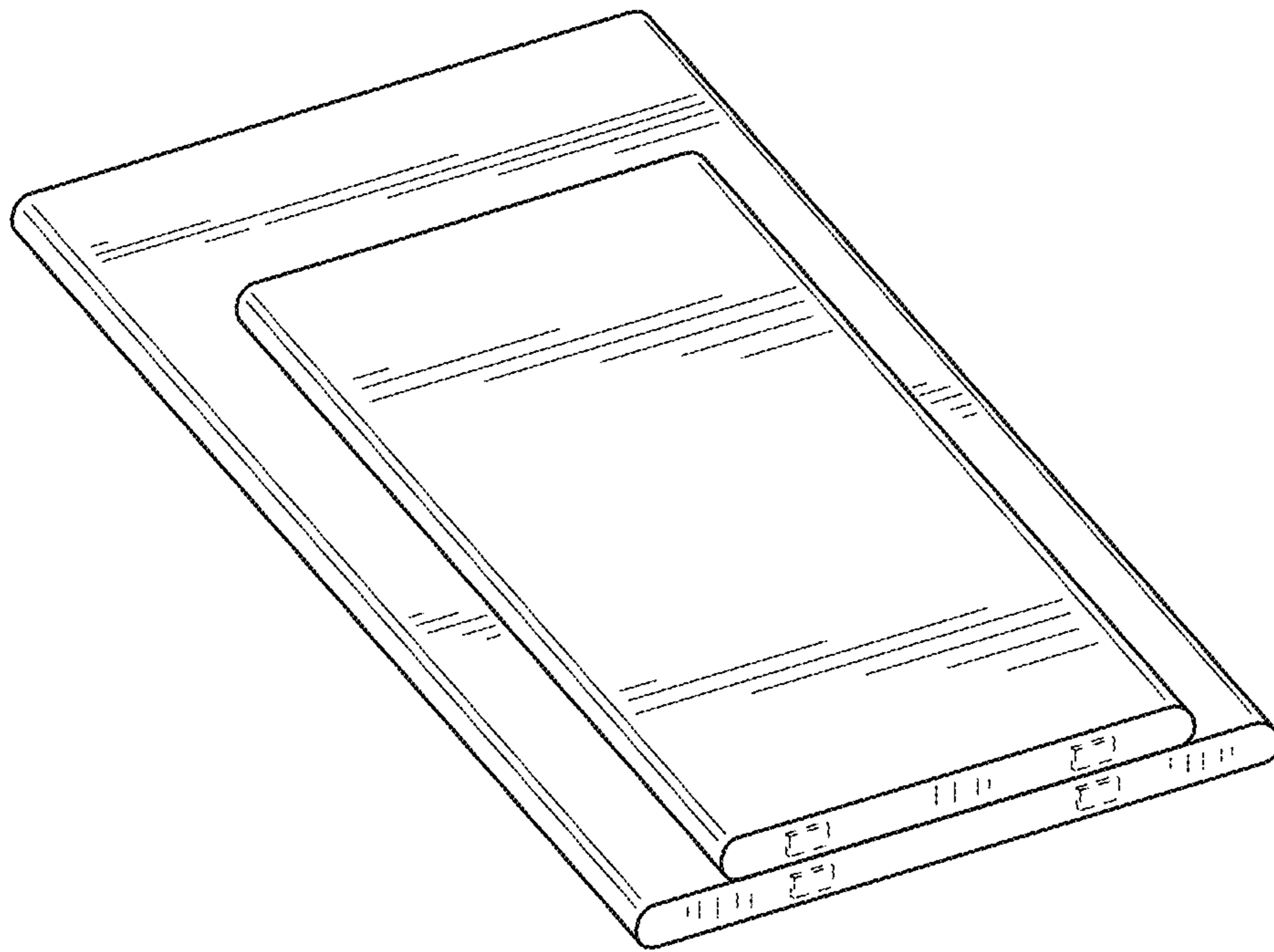


FIG. 1

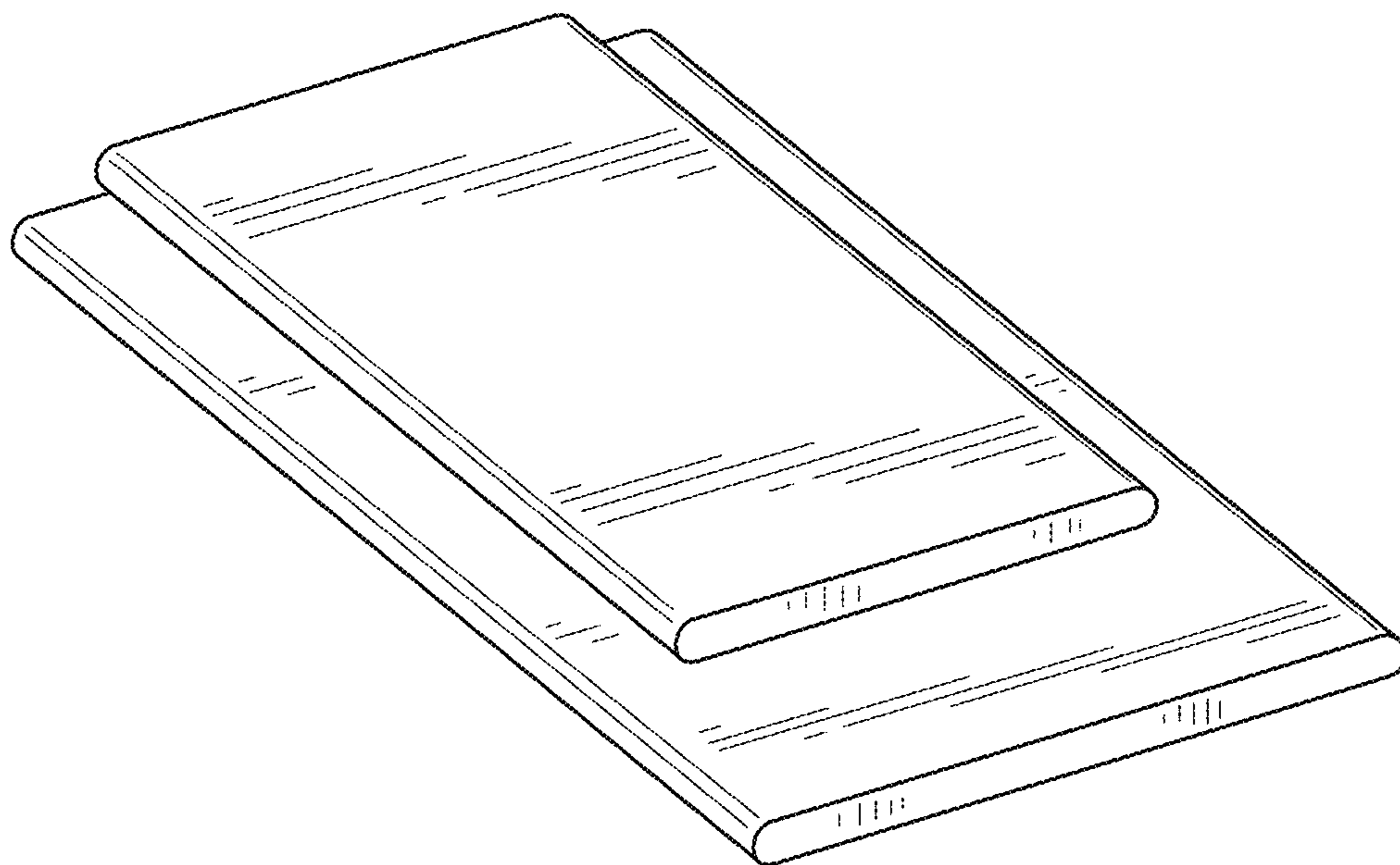


FIG. 2

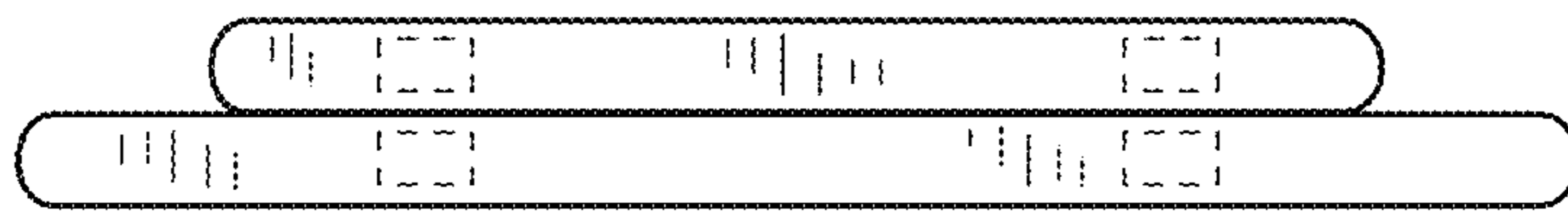


FIG.3



FIG.4



FIG. 5



FIG. 6

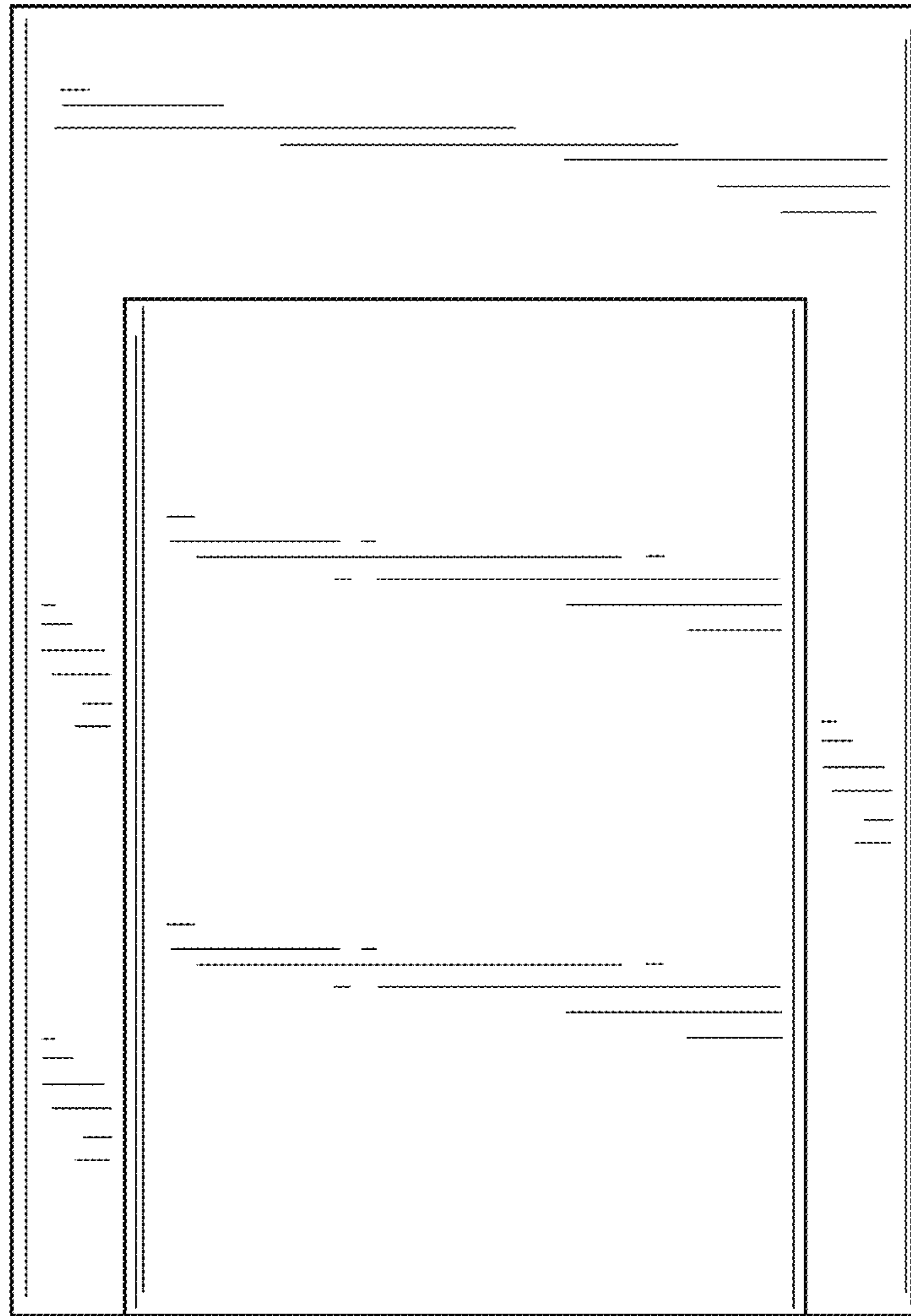


FIG.7

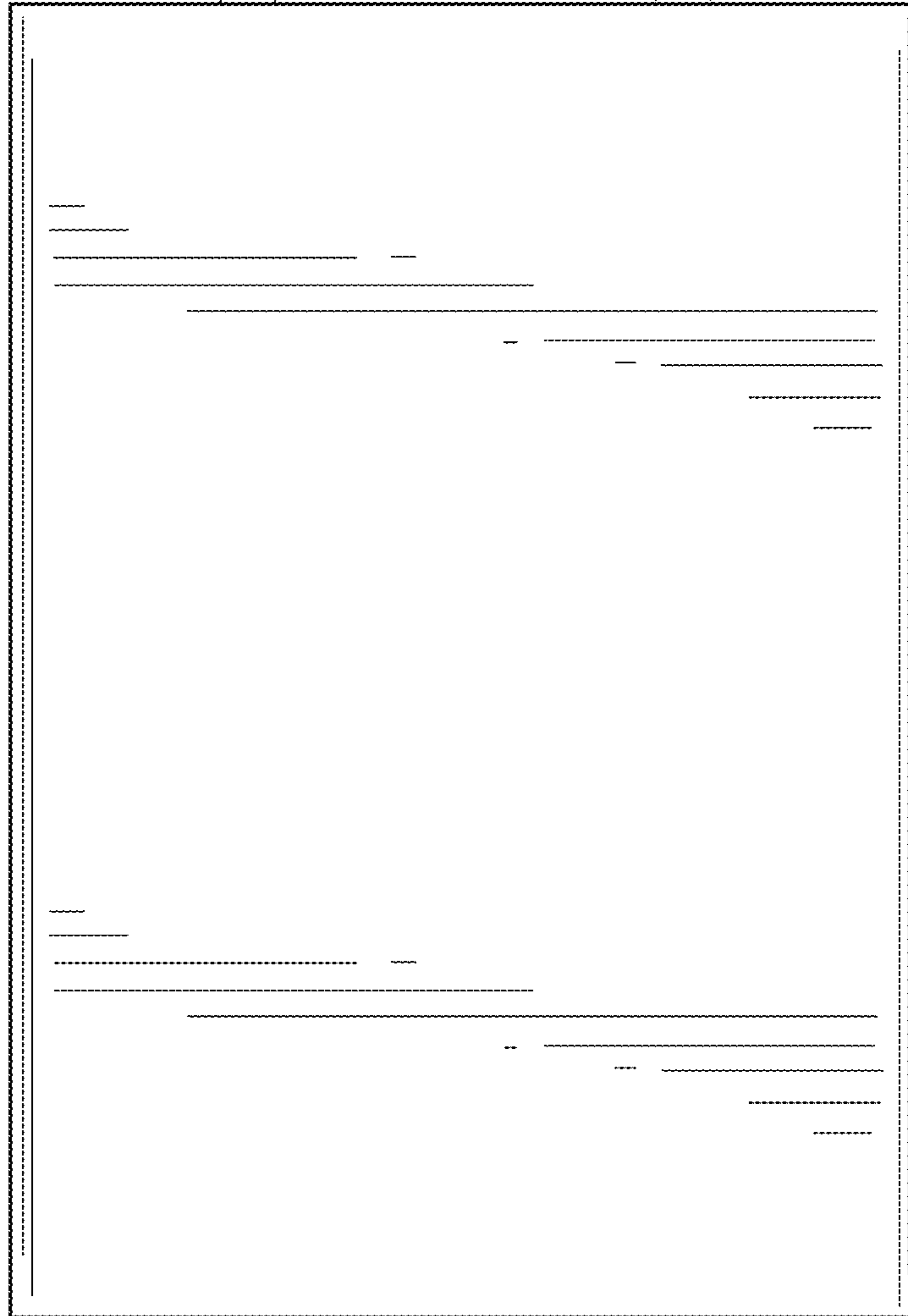


FIG. 8