



US00D769813S

(12) **United States Design Patent** (10) **Patent No.:** **US D769,813 S**  
**Lin** (45) **Date of Patent:** **\*\* Oct. 25, 2016**

- (54) **RECHARGEABLE BATTERY DEVICE**
- (71) Applicant: **Limefuel, LLC**, Boulder, CO (US)
- (72) Inventor: **Paul Lin**, Boulder, CO (US)
- (73) Assignee: **Limefuel, LLC**, Boulder, CO (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/548,461**
- (22) Filed: **Dec. 14, 2015**

- (56) **References Cited**
- 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)

**Related U.S. Application Data**

- (62) Division of application No. 29/502,988, filed on Sep. 22, 2014, now Pat. No. Des. 752,509.
- (51) **LOC (10) Cl.** ..... **13-02**
- (52) **U.S. Cl.**  
USPC ..... **D13/103**
- (58) **Field of Classification Search**  
USPC ..... D13/102-110, 118-119, 184, 199;  
D14/356, 432, 251, 253, 434;  
320/107-115, 135, 138, 140, 103-105  
CPC ... Y02E 60/12; Y02E 60/122; Y02E 60/124;  
Y02E 60/50; H01M 2/02; H01M 2/022;  
H01M 2/0202; H01M 2/0207; H01M 2/0212;  
H01M 2/1061; H01M 2/1022; H01M 2/1055;  
H01M 2/1066; H01M 2/105; H01M 2/204;  
H01M 2/20; H01M 2/202; H01M 2/206;  
H01M 10/4257; H01M 10/0436; H01M  
10/48; H01M 10/44; H01M 10/46; H01M  
10/465; H01M 10/482; H01M 2200/30;  
H01M 2250/30; H01M 2250/40; H02J 7/00;  
H02J 7/0003; H02J 7/0011; H02J 7/0013;  
H02J 7/0054; H02J 7/0055; H02J 7/0057;  
H02J 2007/0062

See application file for complete search history.

**OTHER PUBLICATIONS**

- U.S. Appl. No. 29/502,977, filed Sep. 22, 2014, Lin.
- (Continued)

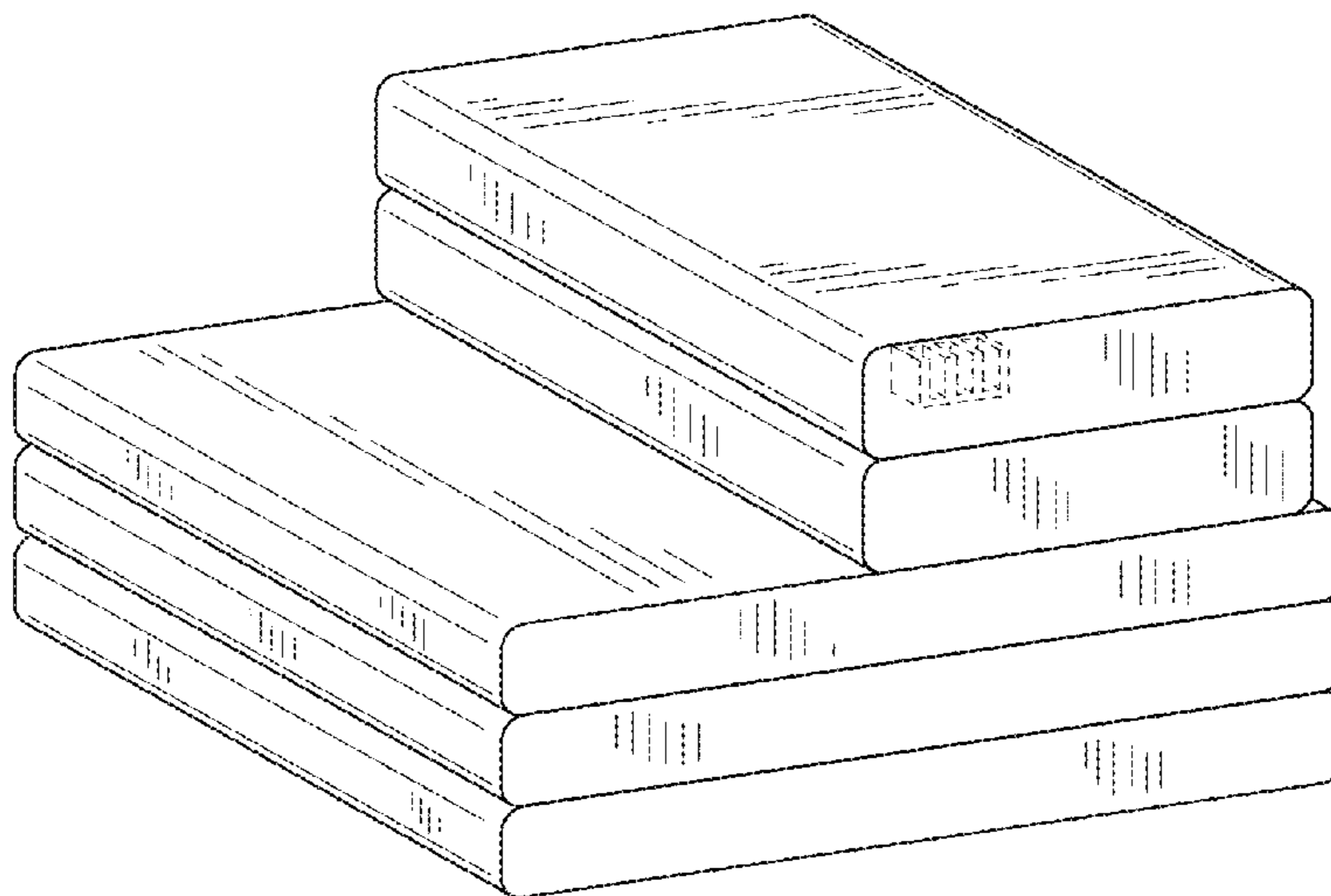
*Primary Examiner* — Rosemary K Tarcza  
*Assistant Examiner* — Sanjeev Paul  
 (74) *Attorney, Agent, or Firm* — Sheridan Ross P.C.

(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.

**1 Claim, 4 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 Cepress 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.  
 D725,590 S 3/2015 Clyne et al.  
 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. 29/548,448, filed Dec. 14, 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.  
 U.S. Appl. No. 29/548,463, 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. 29/479,883, filed Jan. 21, 2014 now U.S. Pat. No. D730,279.  
 U.S. Appl. No. 29/491,238, filed May 19, 2014 now U.S. Pat. No. D729,727.  
 U.S. Appl. No. 29/502,977, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/548,448, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/502,983, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/502,985, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/548,450, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/502,986, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/548,453, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/548,457, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/548,458, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/502,988, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/548,459, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/548,460, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/502,990, filed Sep. 22, 2014.  
 U.S. Appl. No. 29/548,463, filed Dec. 14, 2015.  
 U.S. Appl. No. 29/514,954, filed Jan. 19, 2015.  
 U.S. Appl. No. 29/517,938, filed Feb. 18, 2015.  
 U.S. Appl. No. 29/517,939, filed Feb. 18, 2015.  
 U.S. Appl. No. 29/518,222, filed Feb. 20, 2015.

\* cited by examiner



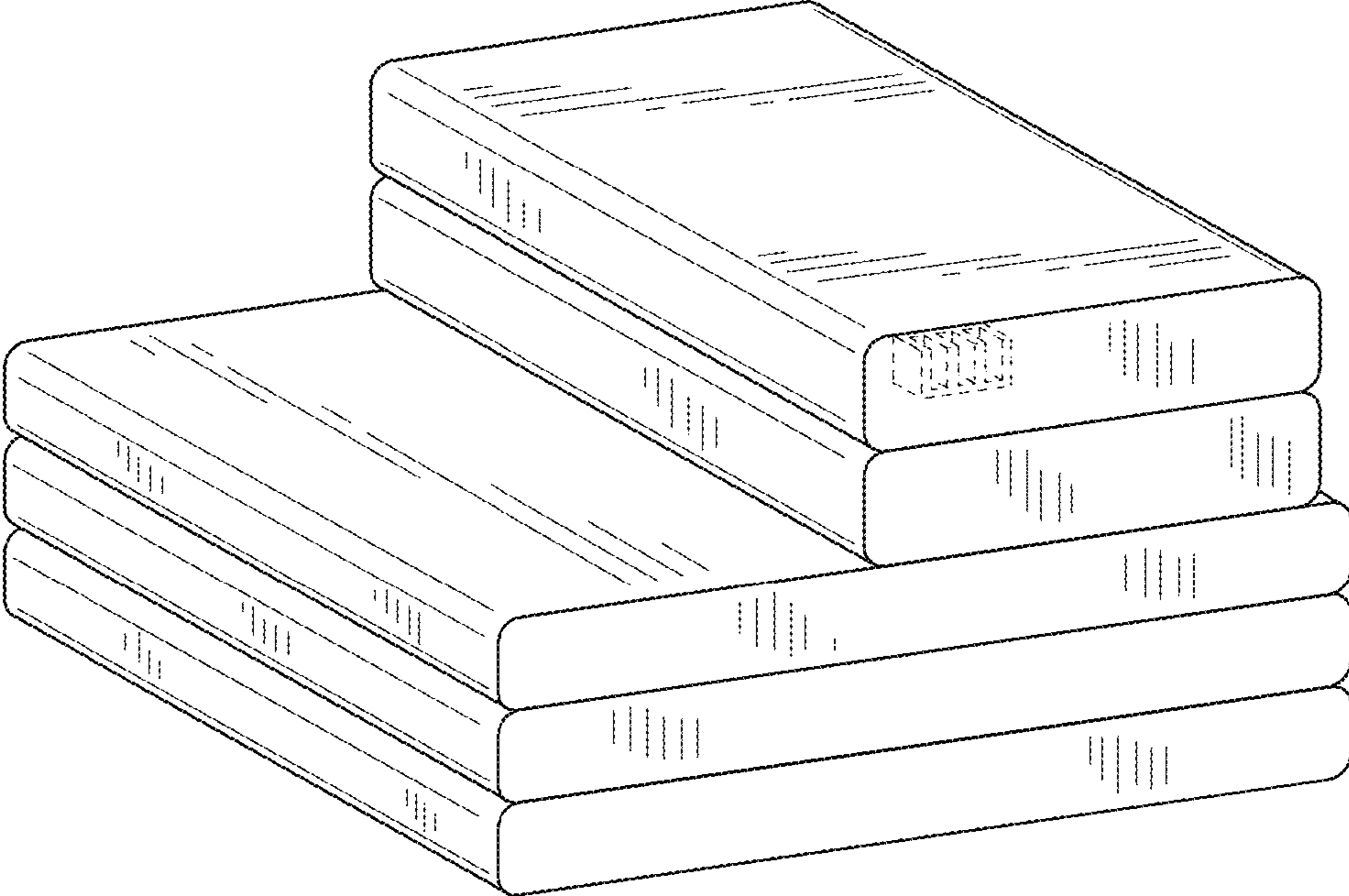


FIG.1

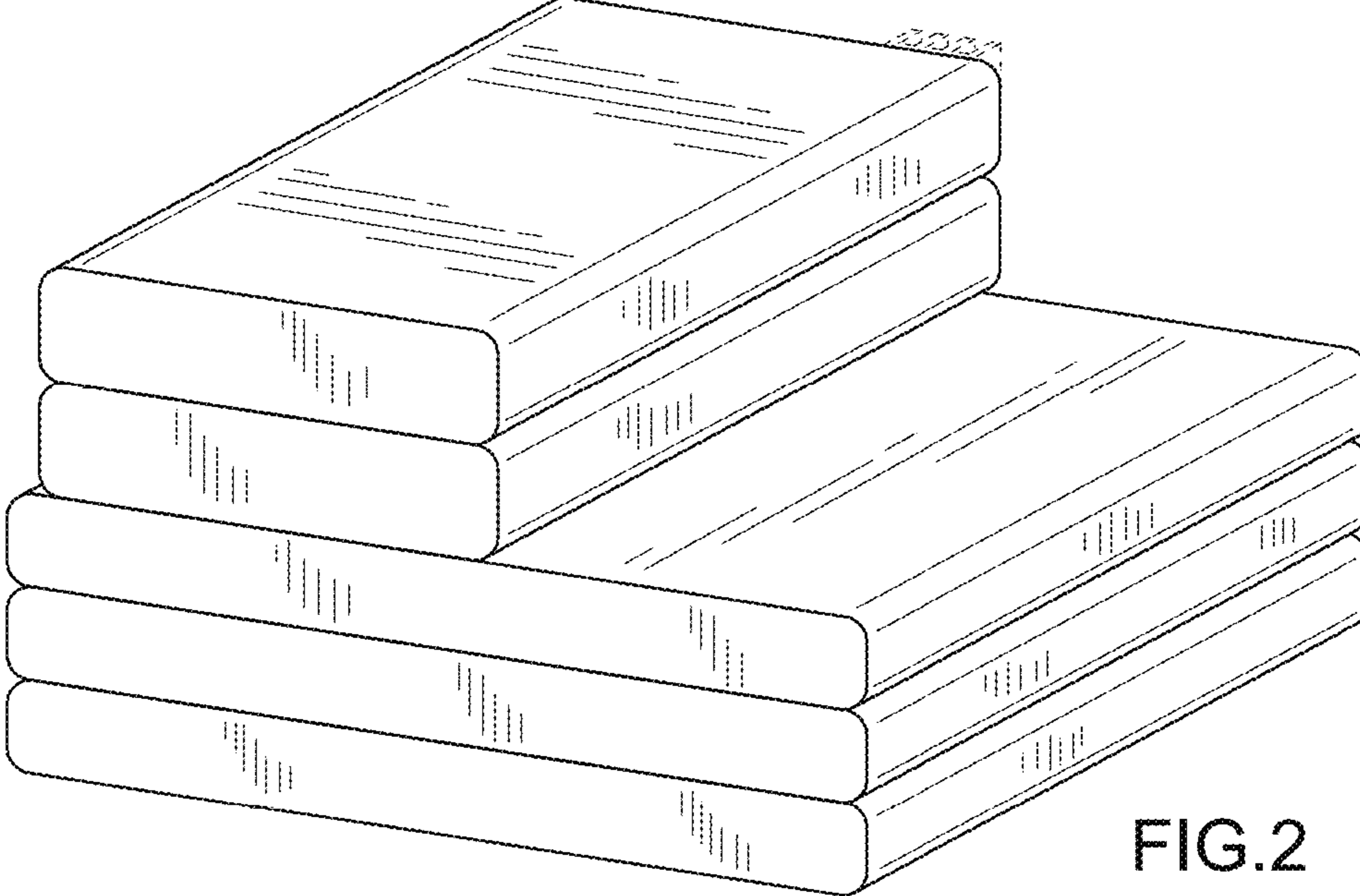


FIG.2

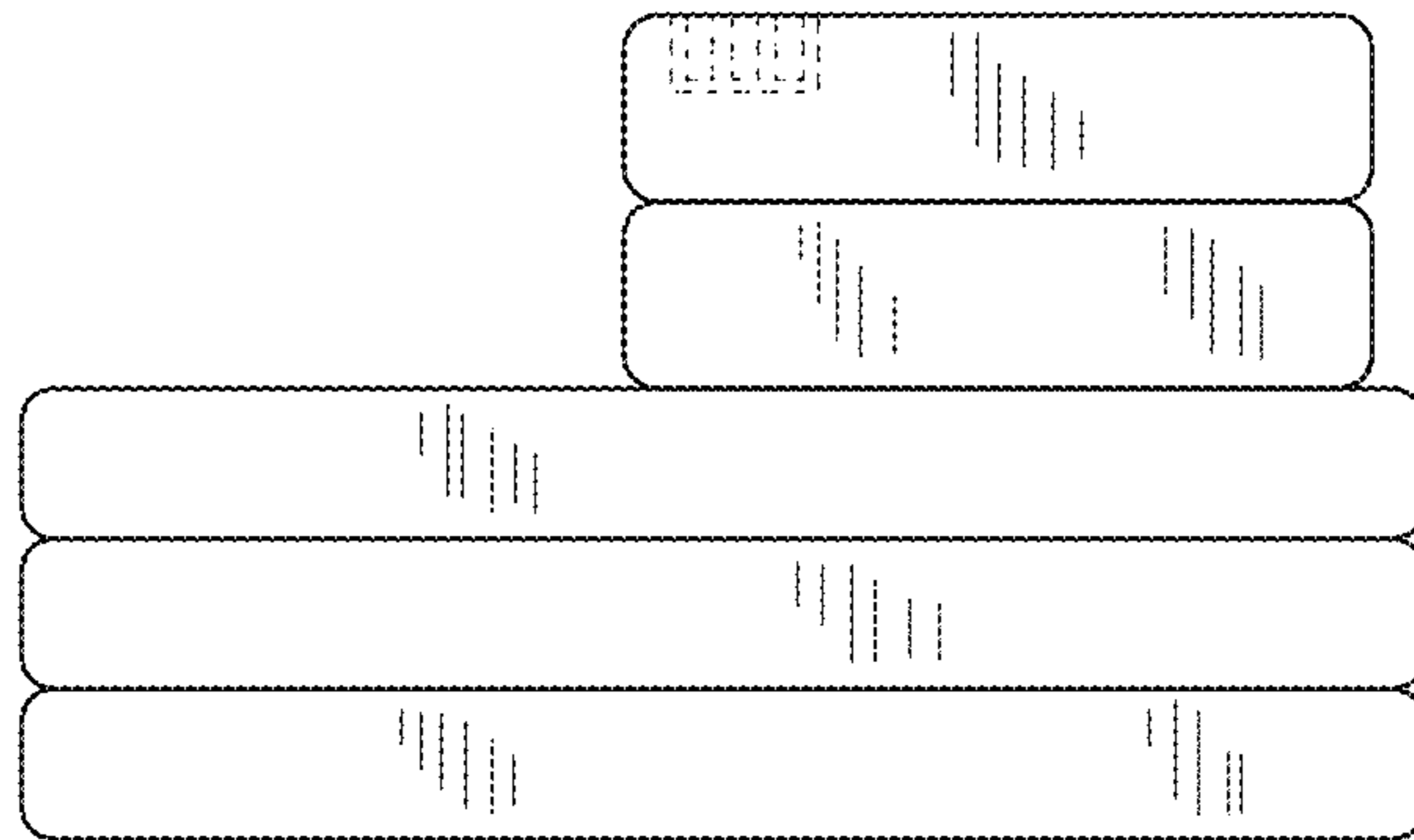


FIG.3

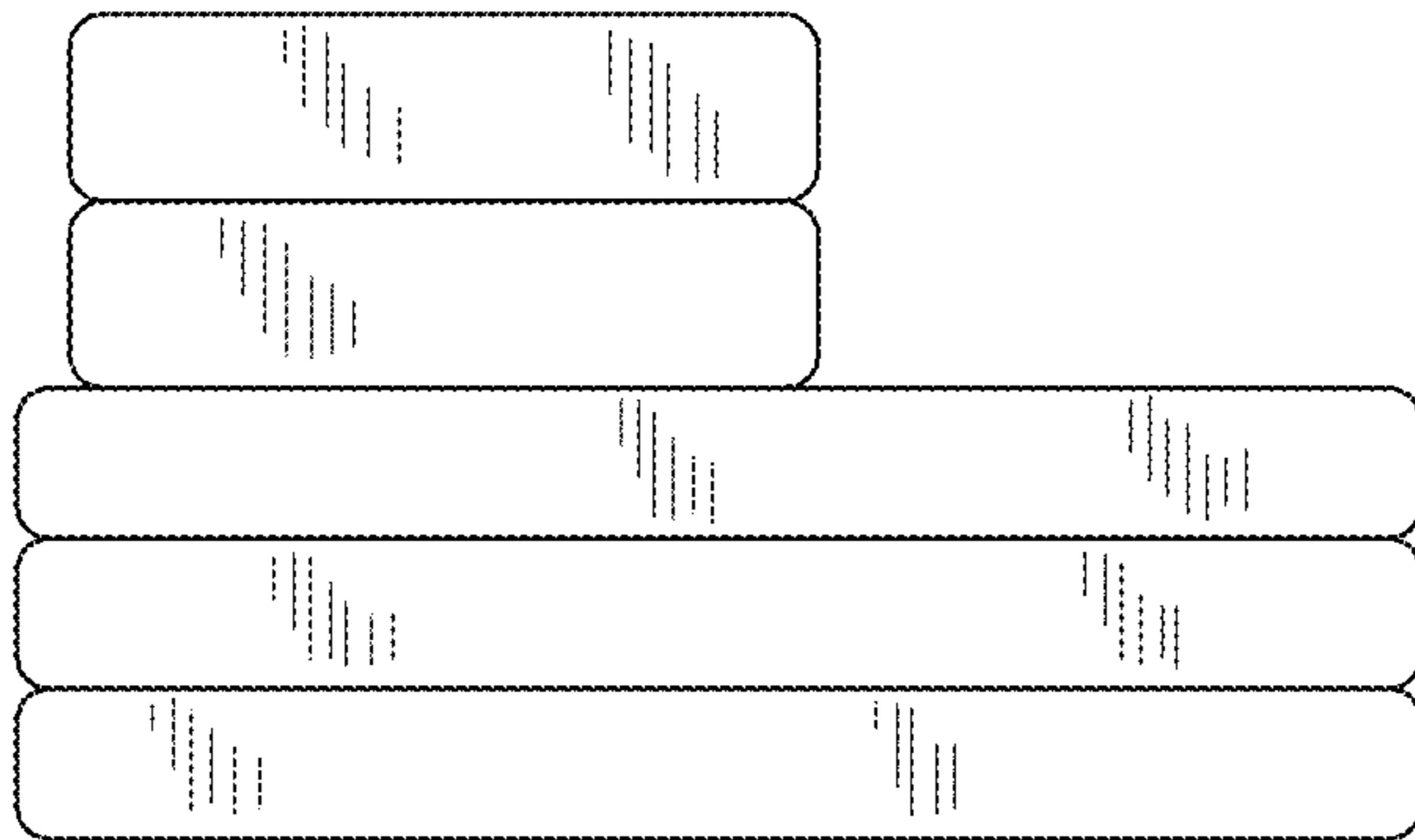


FIG.4

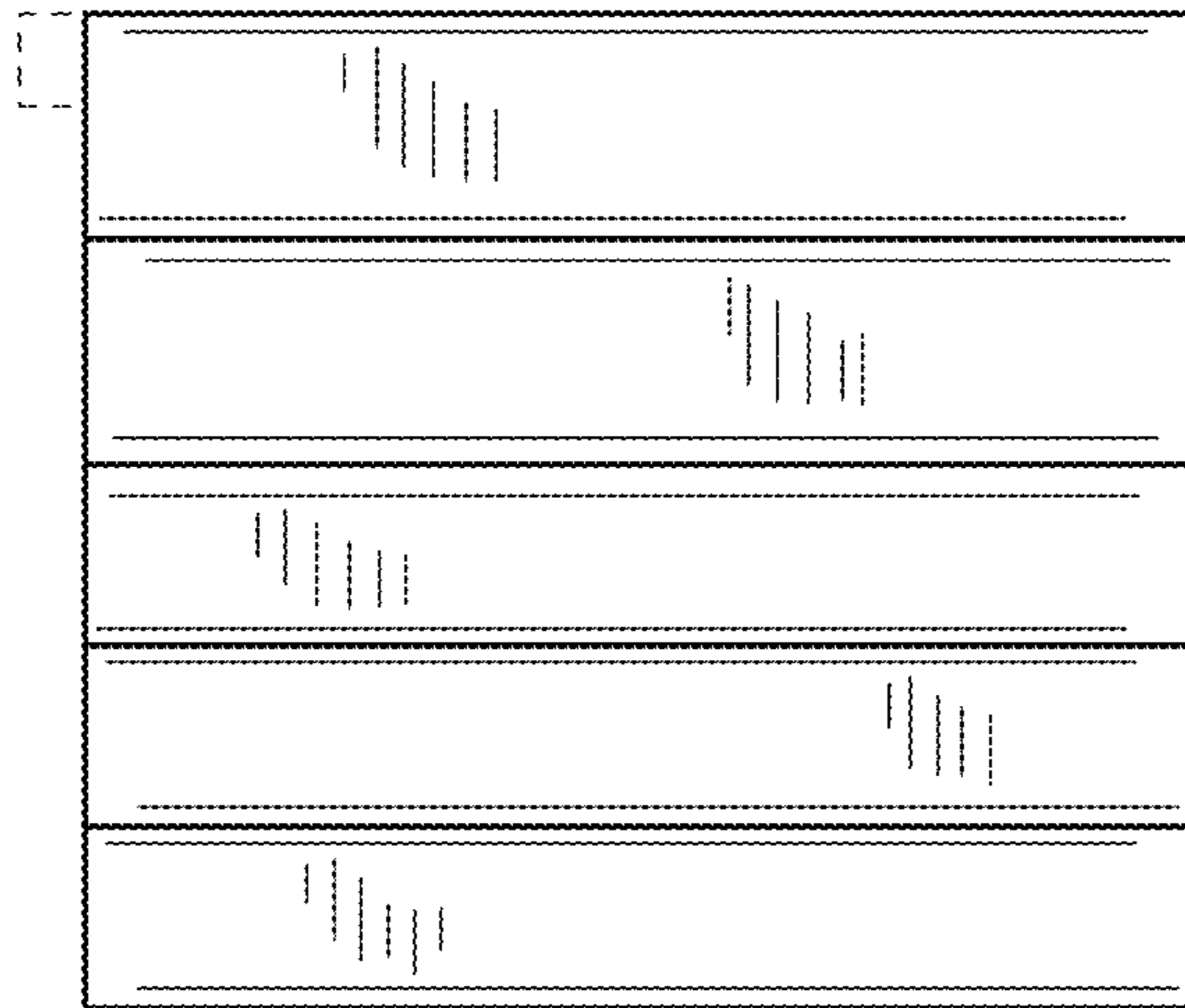


FIG. 5

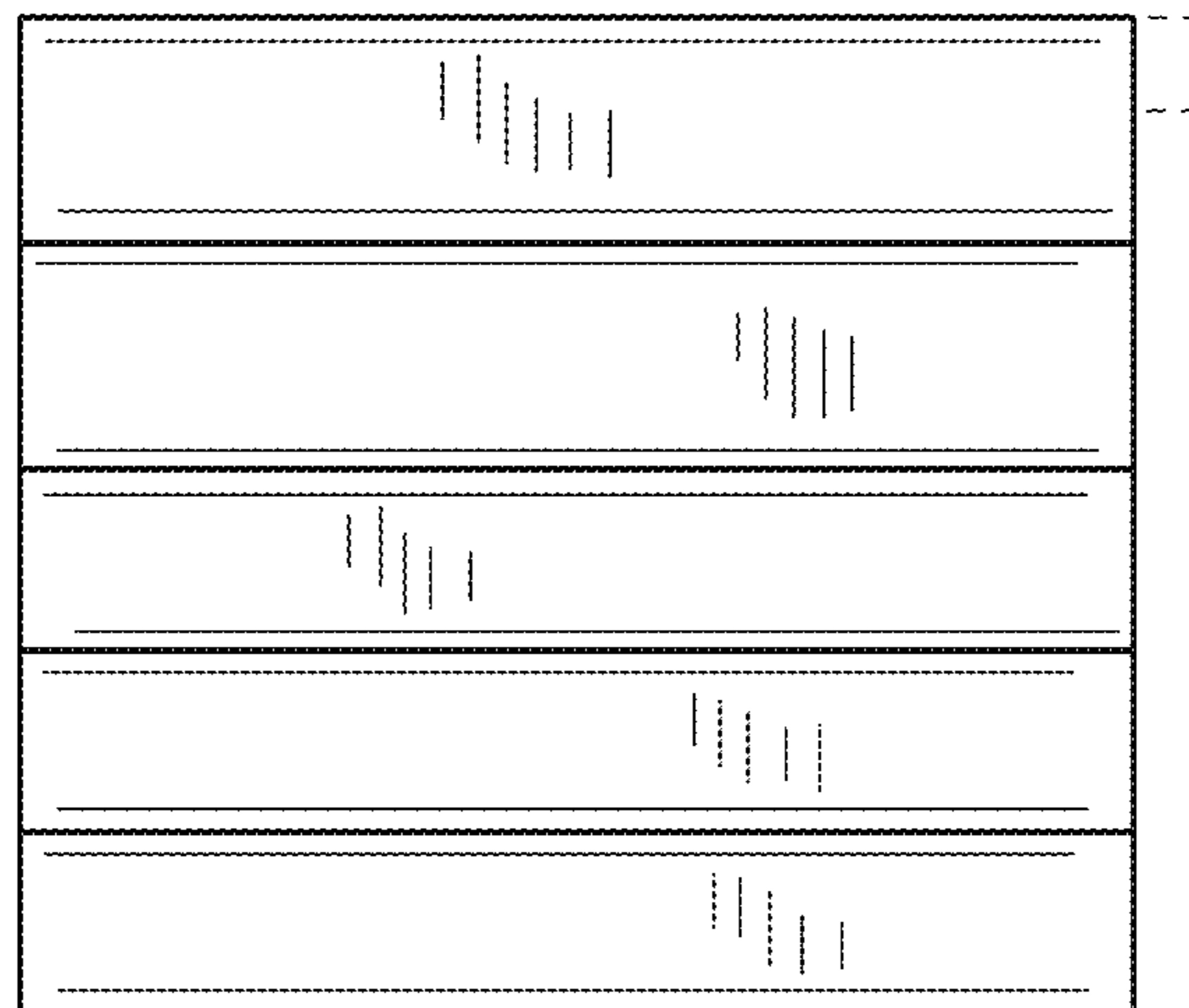


FIG. 6

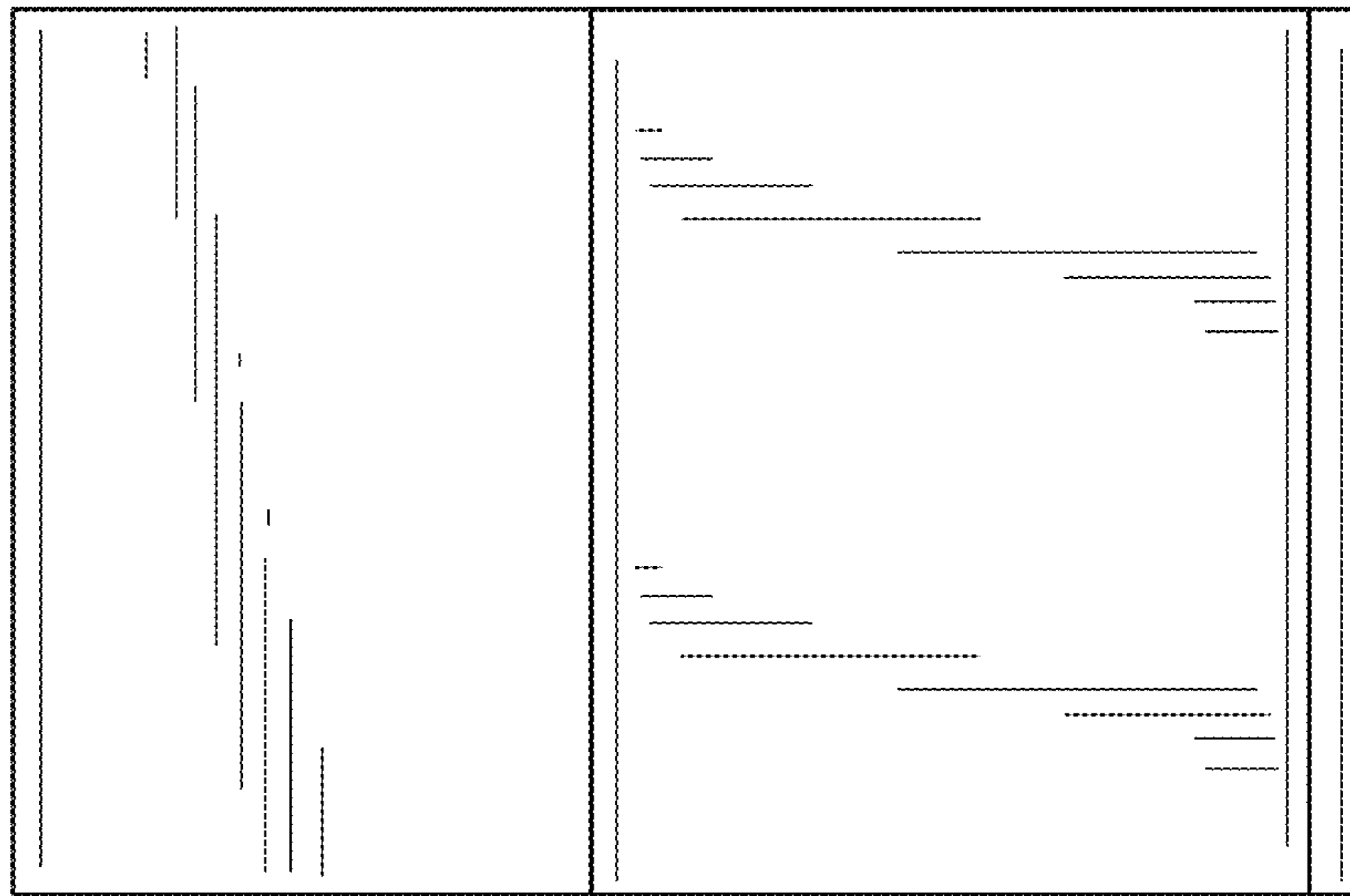


FIG. 7

FIG. 7

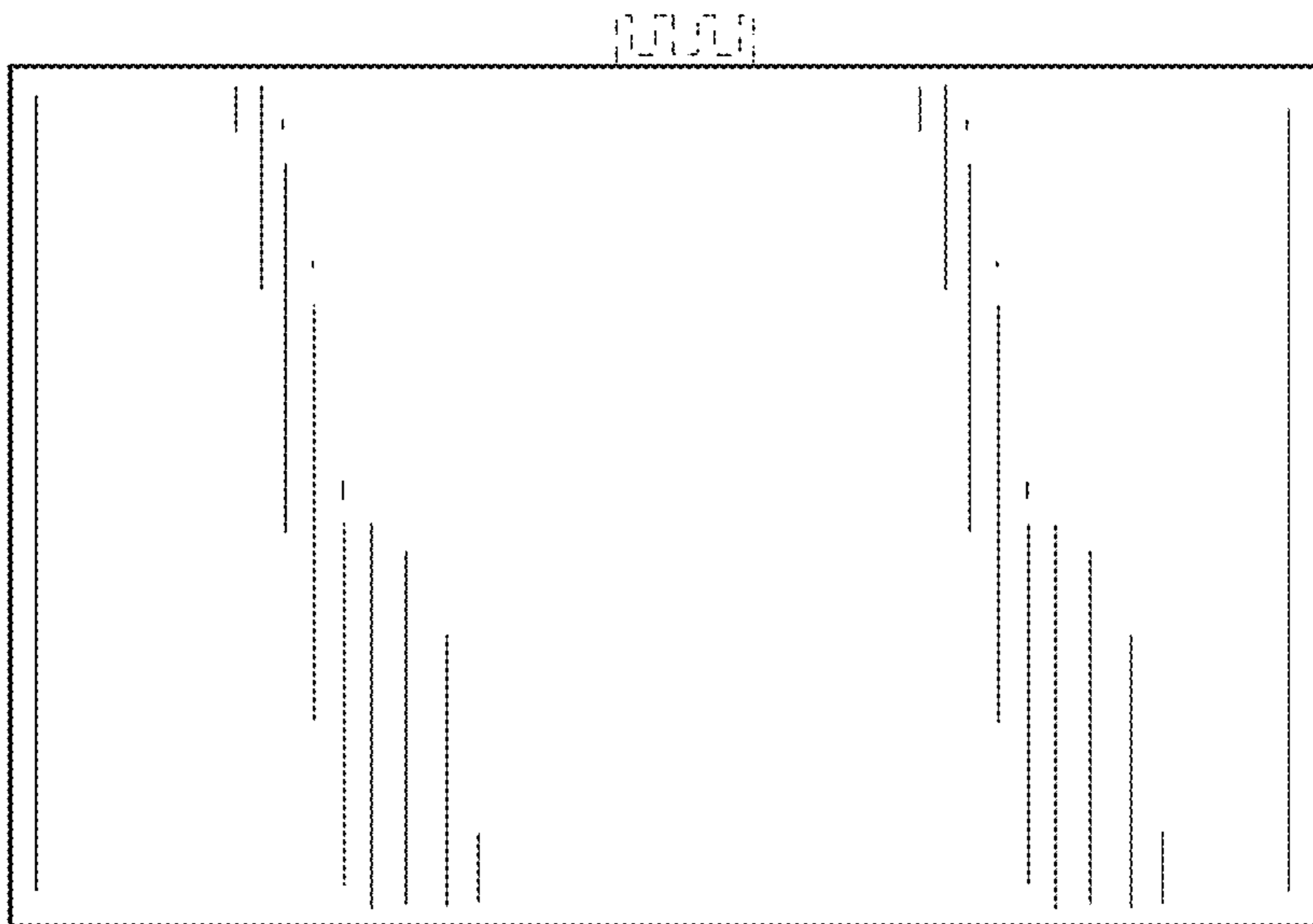


FIG. 8

FIG. 8