



US00D870299S

(12) **United States Design Patent** (10) **Patent No.:** **US D870,299 S**  
**Lin** (45) **Date of Patent:** **\*\* \*Dec. 17, 2019**

(54) **ELECTRICAL MUSCLE STIMULATION  
TRAINER SET**

(71) Applicant: **Shenzhen Heigou Industrial Co., Ltd,**  
Shenzhen (CN)

(72) Inventor: **Zhihui Lin,** Shenzhen (CN)

(73) Assignee: **Shenzhen Heigou Industrial Co., Ltd,**  
Shenzhen (CN)

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

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

(21) Appl. No.: **29/599,382**

(22) Filed: **Apr. 3, 2017**

(51) **LOC (12) Cl.** ..... **28-03**

(52) **U.S. Cl.**  
USPC ..... **D24/200**

(58) **Field of Classification Search**  
USPC ..... D24/171, 185, 186, 187, 188, 200, 201,  
D24/206, 207, 209, 215; D29/101.3,  
D29/101.5; D3/205, 299; D21/683;  
128/95.1, 96.1, 99.1, 845, 846, 112.1;  
602/2, 5, 6, 41; 607/1, 48  
CPC ... A61N 1/04; A61N 1/06; A61N 1/18; A61N  
1/26; A61N 1/36; A61N 1/0424; A61N  
1/0484; A61N 1/0456; A61N 1/0452;  
A61N 1/0476; A61N 1/36014; A61B  
5/00; A61B 5/02; A61B 5/0006; A61H  
23/00; A61H 23/006; A61H 2205/00;  
A61H 2205/084; A61H 1/00; A61H  
2001/0233

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D383,848 S \* 9/1997 Mason ..... D24/206  
D533,668 S \* 12/2006 Brown ..... D24/200  
D534,871 S \* 1/2007 Larsen ..... D13/162

D632,845 S \* 2/2011 Green ..... D29/101.3  
D662,213 S \* 6/2012 Quisenberry ..... D24/206  
D679,823 S \* 4/2013 Daniels ..... D24/206  
D744,168 S \* 11/2015 Best ..... D29/101.3  
D762,869 S \* 8/2016 Beckman ..... D24/206  
D786,447 S \* 5/2017 Bigelow ..... D24/206  
D794,812 S \* 8/2017 Matsushita ..... D24/200  
D797,301 S \* 9/2017 Chen ..... D24/200  
D797,948 S \* 9/2017 Matsushita ..... D24/200  
D810,311 S \* 2/2018 Chen ..... D24/200

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 3269420 A1 \* 1/2018  
JP 2016202690 A \* 12/2016 ..... A61H 1/00

**OTHER PUBLICATIONS**

Imate Vinnare Muscle Toner; Retrieved from <https://www.amazon.com>; Retrieved on Apr. 9, 2018 [https://www.amazon.com/Abdominal-Training-Portable-Fitness-Exercise/dp/B06W2JNBMX/ref=sr\\_1\\_34\\_sspa?ie=UTF8&qid=1523308863&sr=8-34-spons&keywords=abs+stimulator&psc=1](https://www.amazon.com/Abdominal-Training-Portable-Fitness-Exercise/dp/B06W2JNBMX/ref=sr_1_34_sspa?ie=UTF8&qid=1523308863&sr=8-34-spons&keywords=abs+stimulator&psc=1); Reviewed Oct. 9, 2017 (Year: 2017).\*

*Primary Examiner* — Wan Laymon  
*Assistant Examiner* — Clint A Samuel  
(74) *Attorney, Agent, or Firm* — MU P.C.

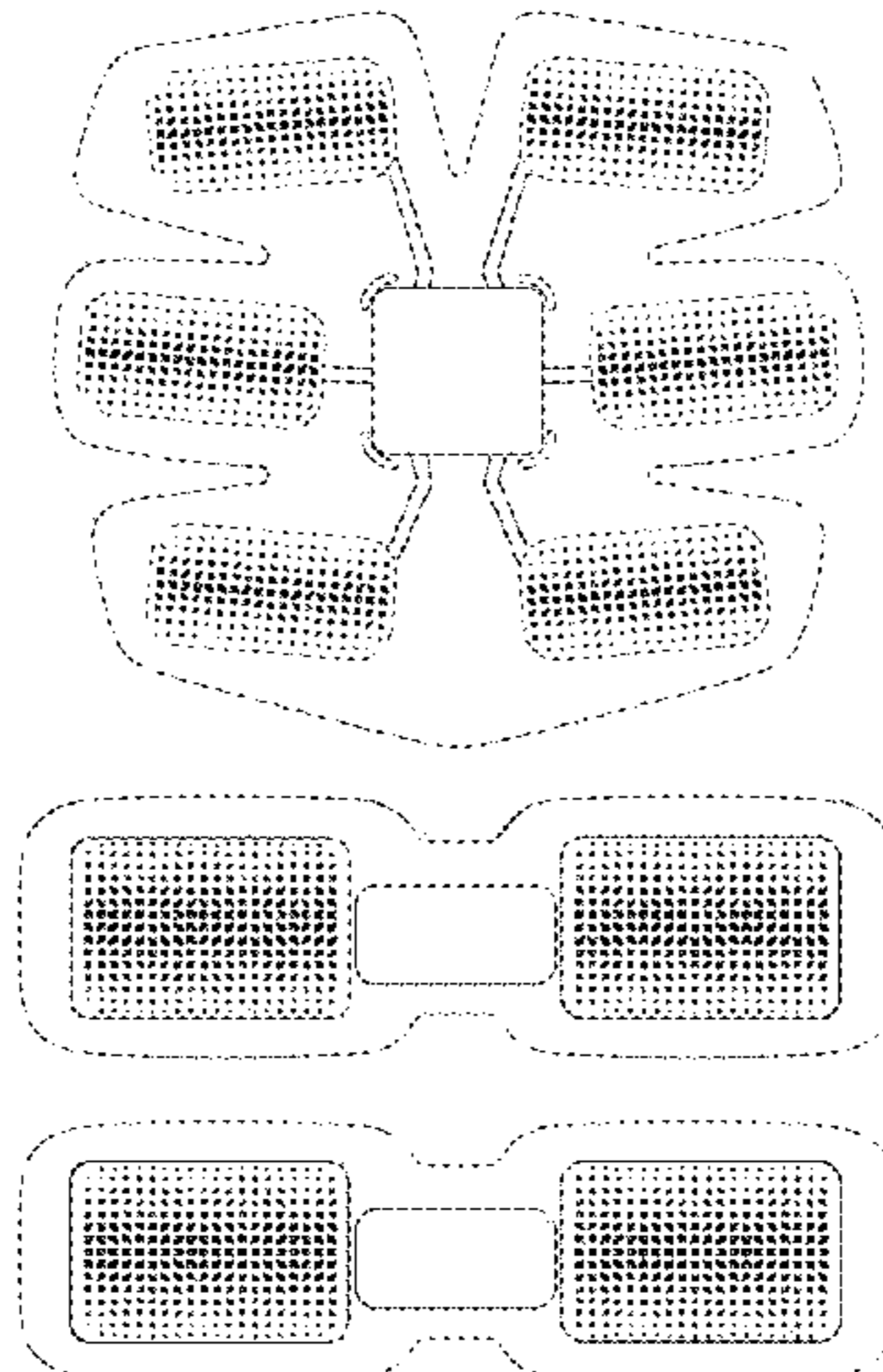
(57) **CLAIM**

The ornamental design for an electrical muscle stimulation trainer set, as shown and described.

**DESCRIPTION**

FIG. 1 is a rear elevation view of a electrical muscle stimulation trainer set showing our new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a left side elevation view thereof; and,  
FIG. 6 is a right side elevation view thereof.  
The broken lines illustrate portions of the electrical muscle stimulation trainer that form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2017/0036019 A1\* 2/2017 Matsushita ..... A61N 1/0452  
2017/0368345 A1\* 12/2017 Kong ..... A61N 1/0456

\* cited by examiner

FIG. 1

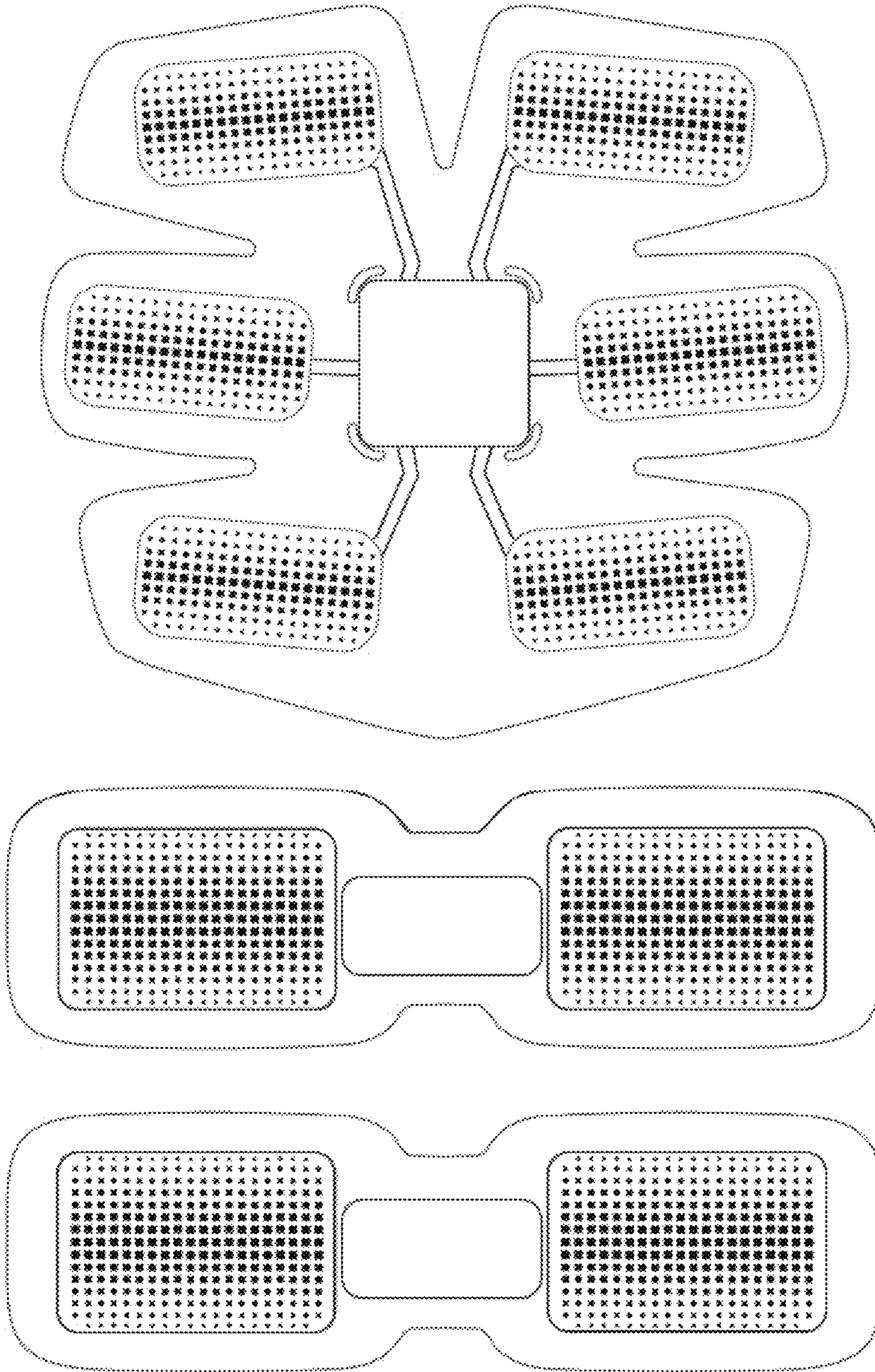


FIG. 2

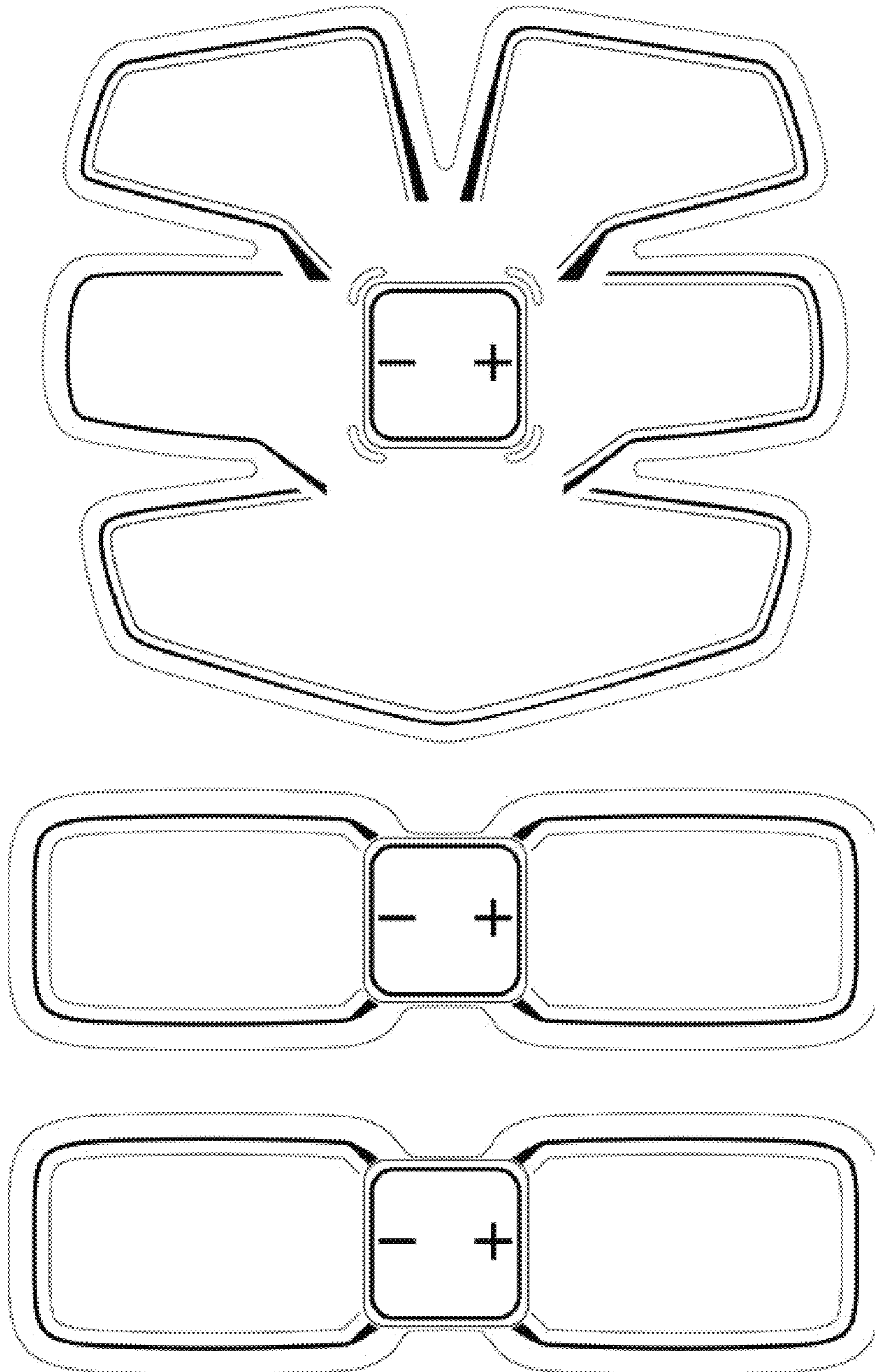


FIG. 3

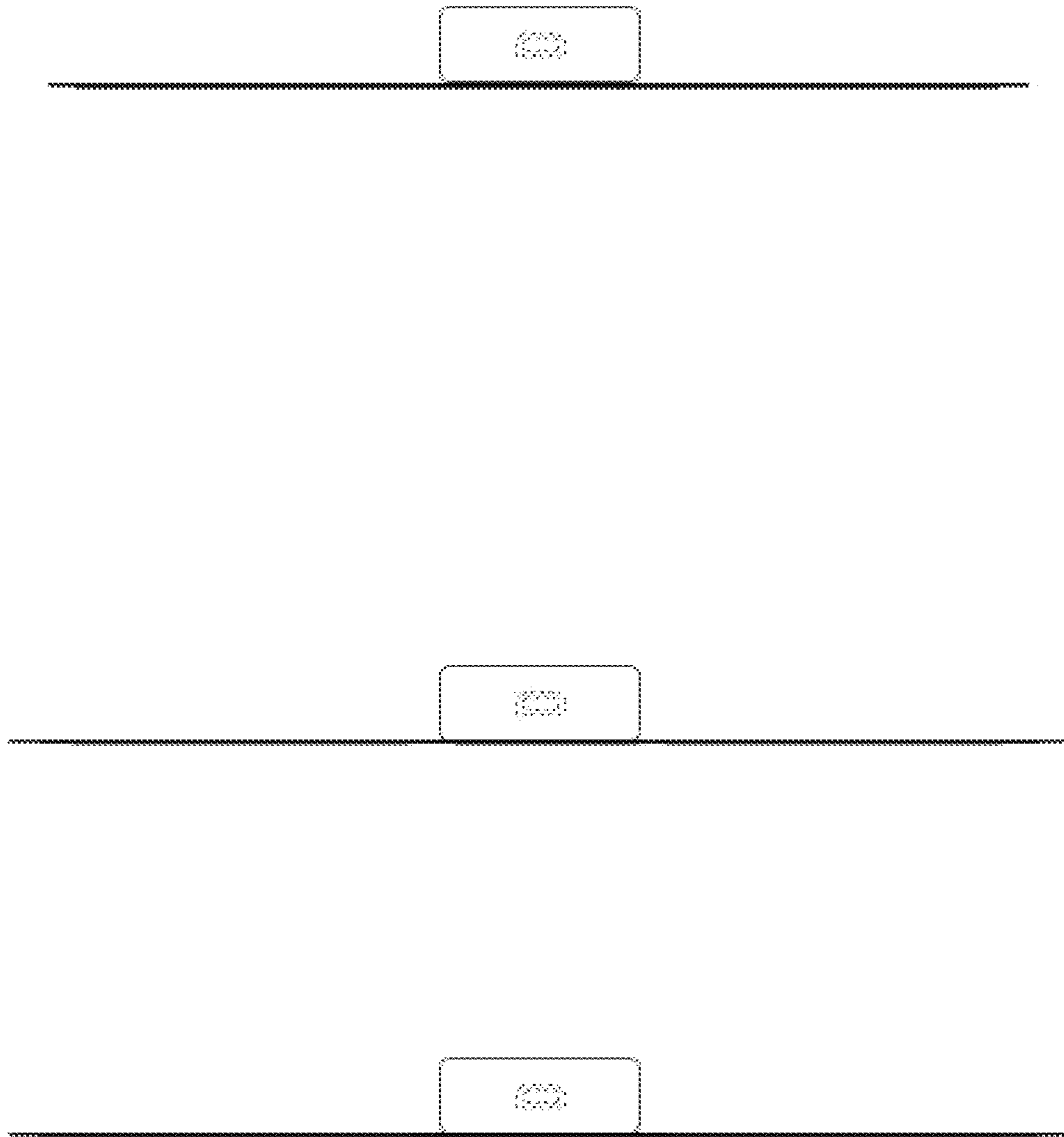


FIG. 4

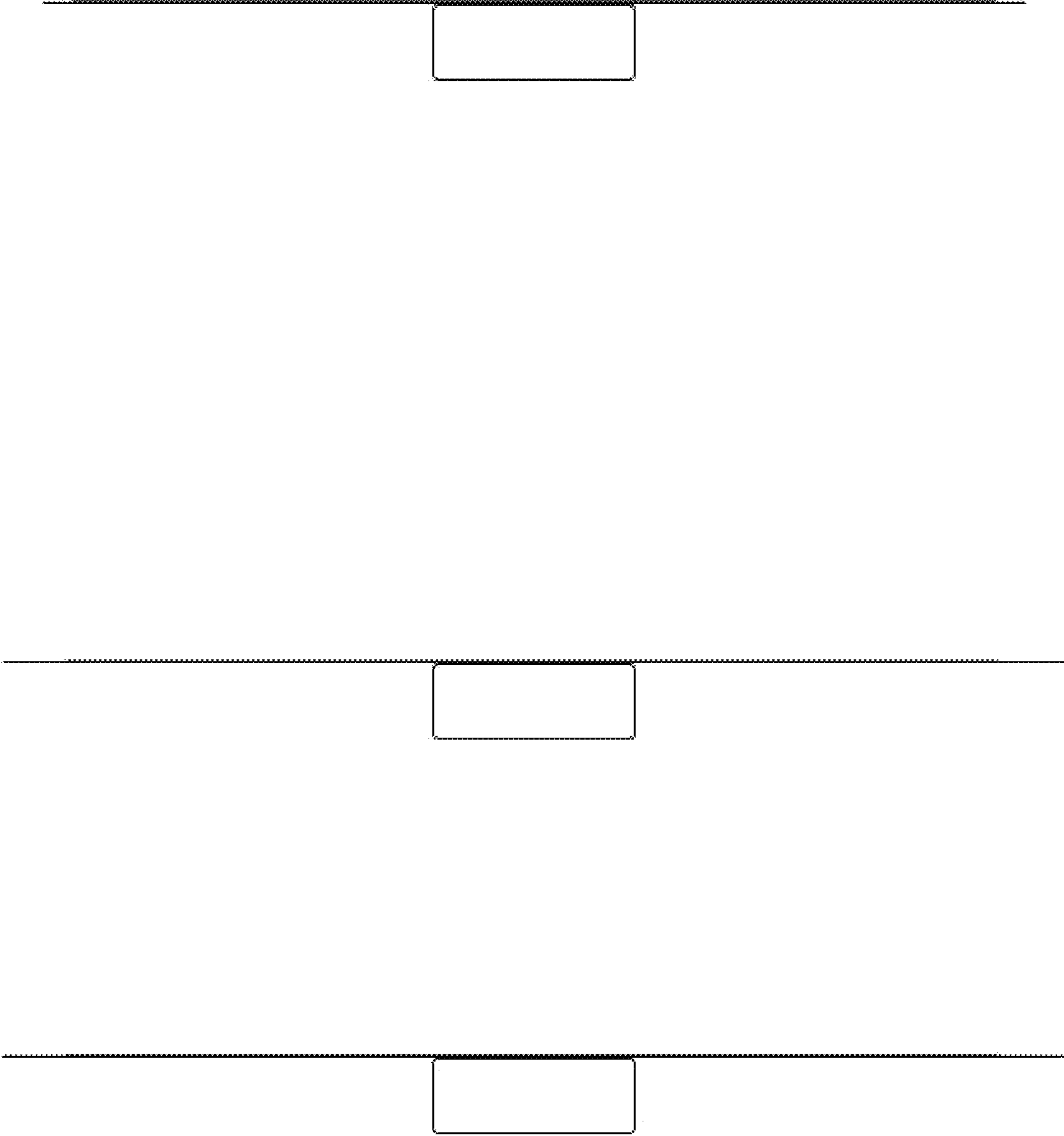


FIG. 5

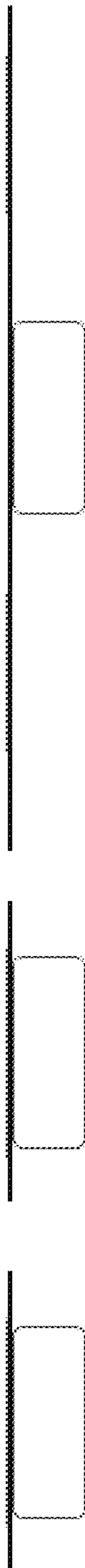


FIG. 6

