

(12) **United States Design Patent**
Leng

(10) **Patent No.:** **US D1,099,586 S**

(45) **Date of Patent:** **** Oct. 28, 2025**

(54) **SPRING MODULE**

(71) Applicant: **New-Tec Integration (Xiamen) Co., Ltd.**, Xiamen (CN)

(72) Inventor: **Luhao Leng**, Xiamen (CN)

(73) Assignee: **New-Tec Integration (Xiamen) Co., Ltd.**, Xiamen (CN)

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

(21) Appl. No.: **29/921,261**

(22) Filed: **Dec. 15, 2023**

(30) **Foreign Application Priority Data**
Jun. 16, 2023 (CN) 202330372865.0

(51) **LOC (15) Cl.** **06-09**

(52) **U.S. Cl.**
USPC **D6/606**

(58) **Field of Classification Search**
USPC D6/333, 349, 355, 375, 388, 512, 563, D6/564, 582–583, 587–592, 595–609, D6/611, 617–622, 707, 715, 716, 716.1; D21/803–809; D24/183–185, 234; 5/401, 420, 600, 630, 631, 632, 633, 635, 5/636, 638, 639, 646, 652, 652.1, 655, 5/703, 730; 297/1, 2, 4, 93, 180.11, 297/195.1, 195.11, 195, 393, 397, 452.12, 297/452.14, 452.15, 452.21, 452.24, 297/452.26, 452.48, 452.62, 482; D8/595, 596, 606, 718.31
CPC A47G 9/10; A47G 9/1009; A47G 9/1027; A47G 9/1045; A47G 9/1063; A47G 9/1072; A47G 9/1081; A45C 27/002; A45C 27/0453; A45C 27/056; A45C 27/063; A45C 27/07

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D850,160 S * 6/2019 Ping D6/605
D850,161 S * 6/2019 Ping D6/605
12,137,813 B2 * 11/2024 Jewett A47C 7/18
2010/0212090 A1 * 8/2010 Stjerna A47C 27/064
29/91
2018/0140105 A1 * 5/2018 Spinks B68G 7/05
2021/0068553 A1 * 3/2021 Nygren A47C 27/061
2024/0215733 A1 * 7/2024 Leng A47C 27/056
2024/0315464 A1 * 9/2024 Leng A47C 27/063
2025/0194811 A1 * 6/2025 Leng A47C 27/0453
2025/0194816 A1 * 6/2025 Nygren A47C 27/07

* cited by examiner

Primary Examiner — George A Bugg
Assistant Examiner — Carrie A Matteoli
(74) Attorney, Agent, or Firm — Cooper Legal Group, LLC

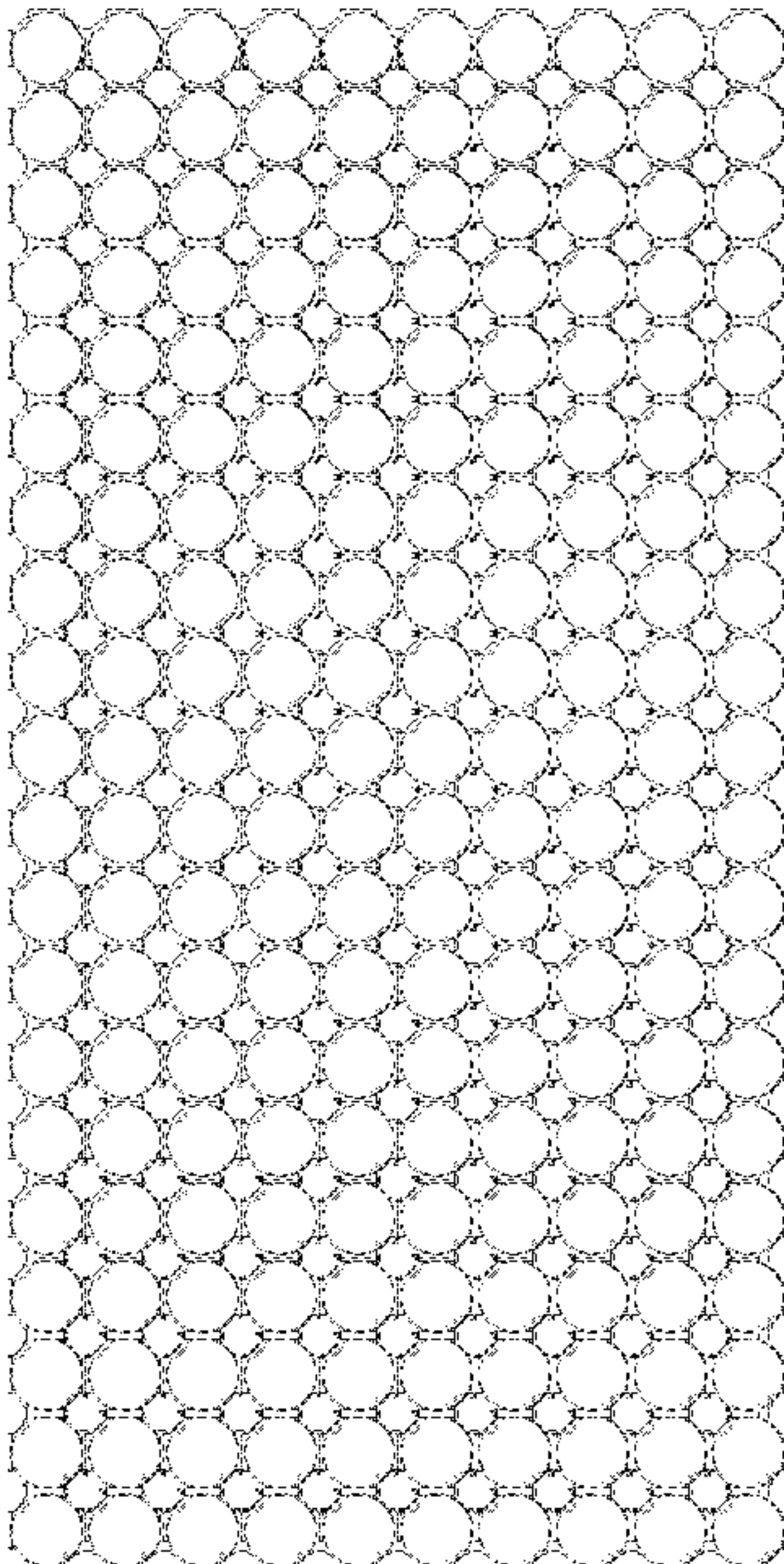
(57) **CLAIM**

The ornamental design for a spring module, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of a spring module showing the new design;
FIG. 2 is a rear elevation view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a first perspective view thereof; and,
FIG. 8 is a second perspective view thereof.

1 Claim, 8 Drawing Sheets



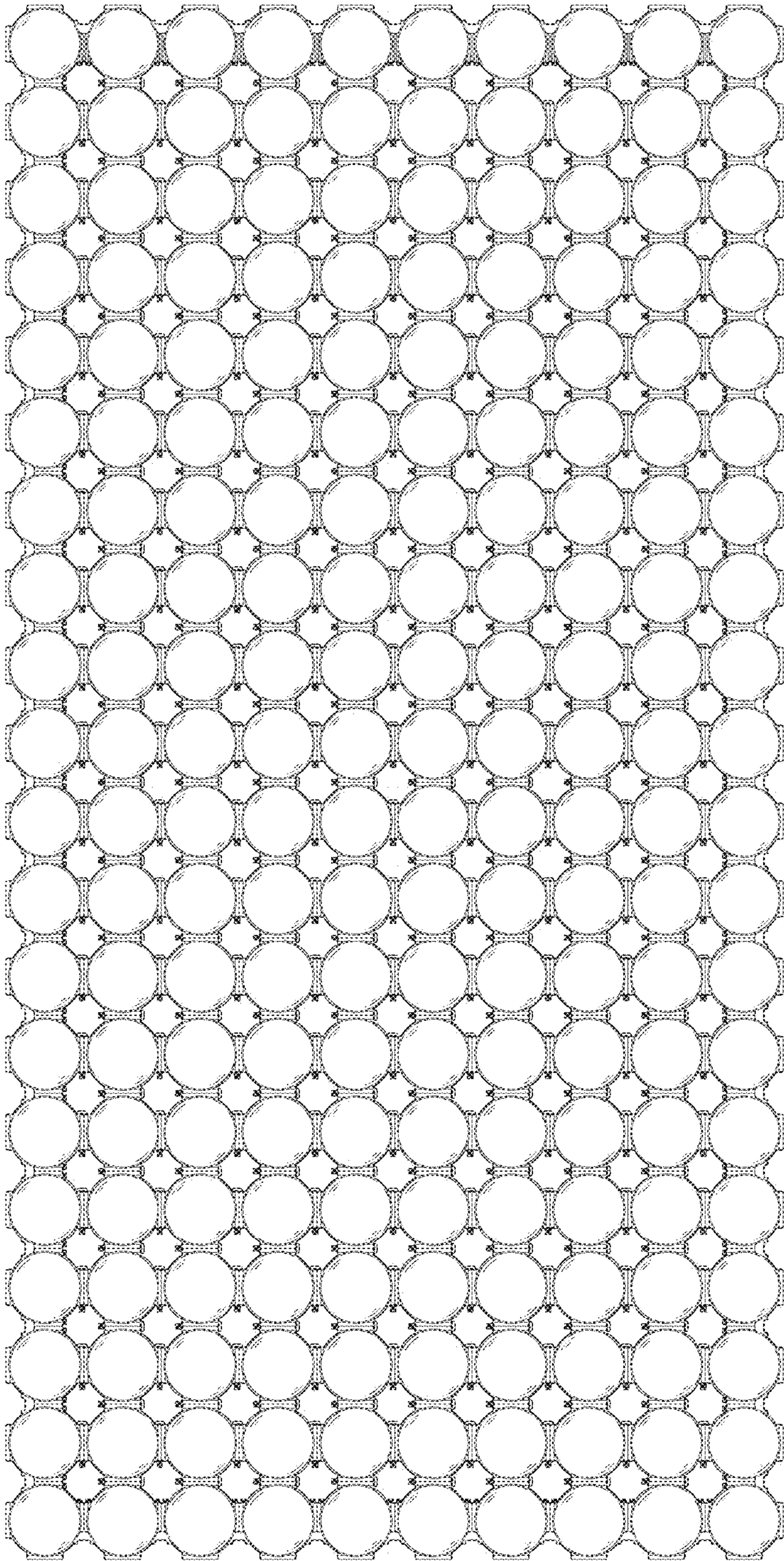


FIG. 1

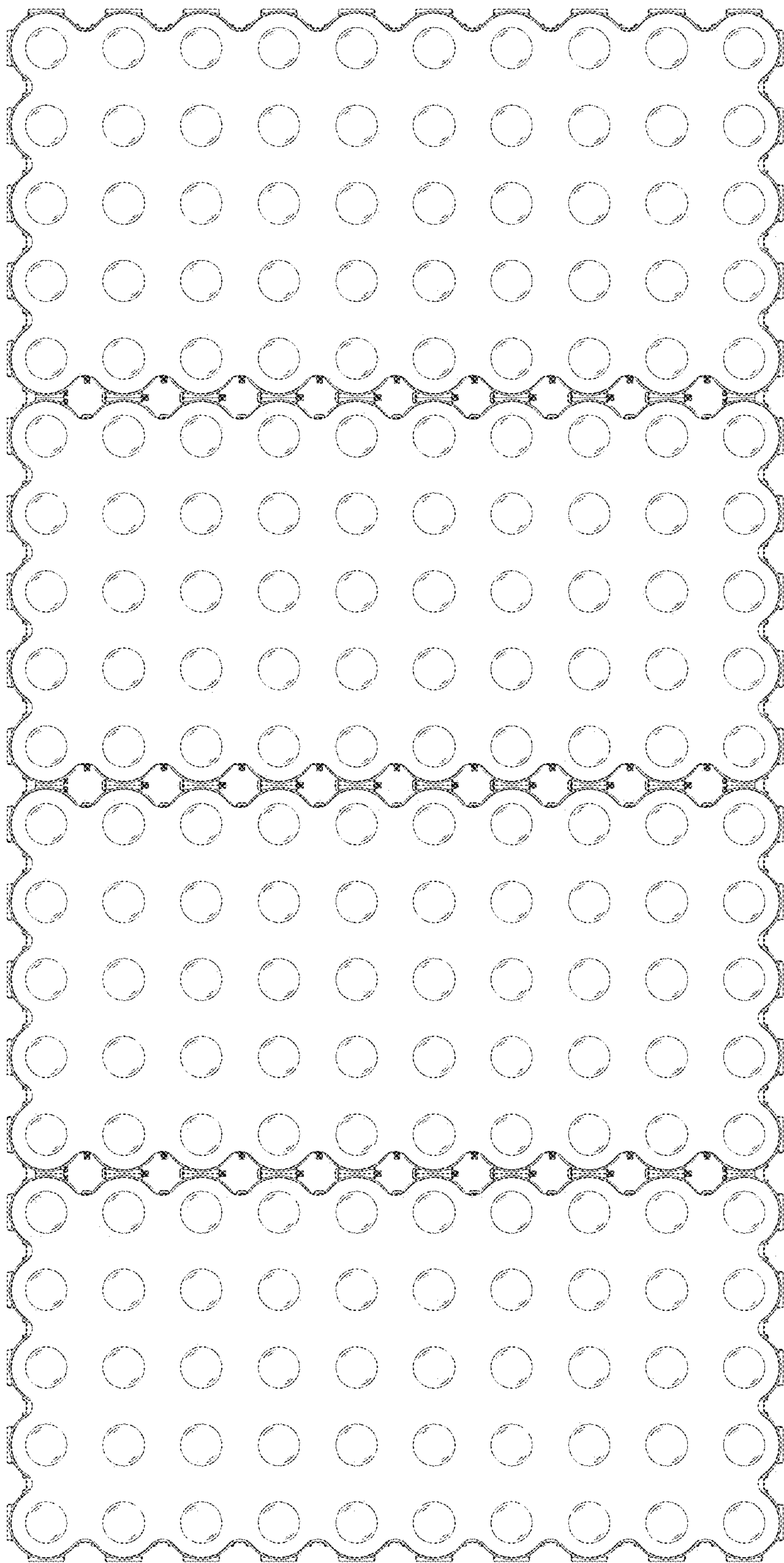


FIG. 2

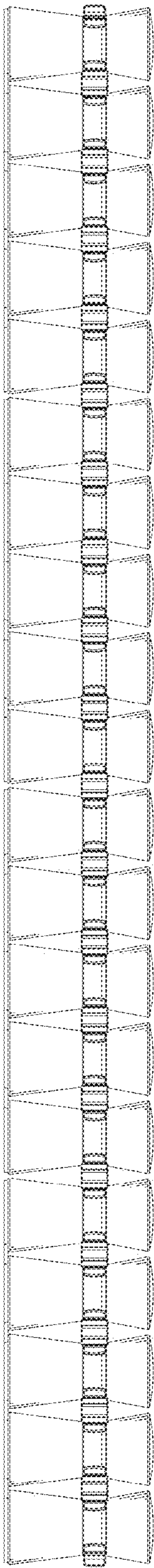


FIG. 3

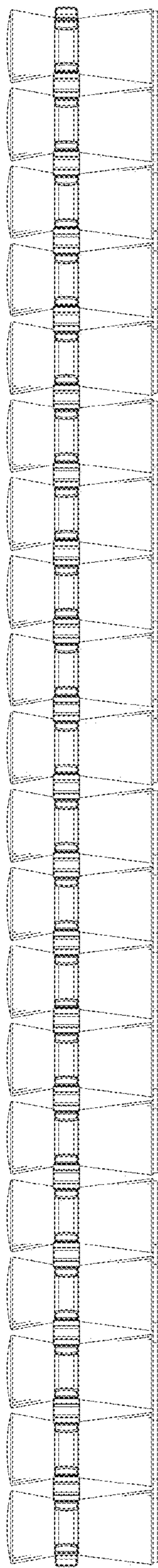


FIG. 4

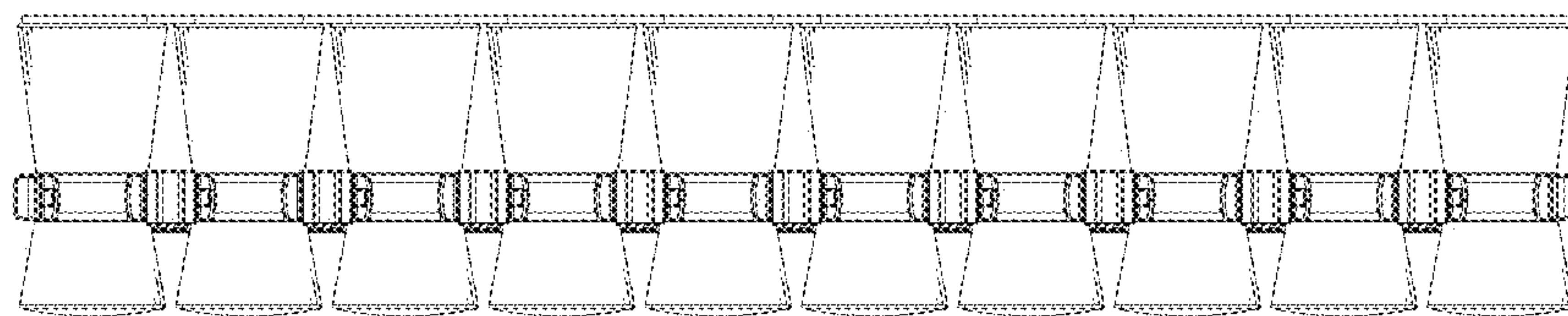


FIG. 5

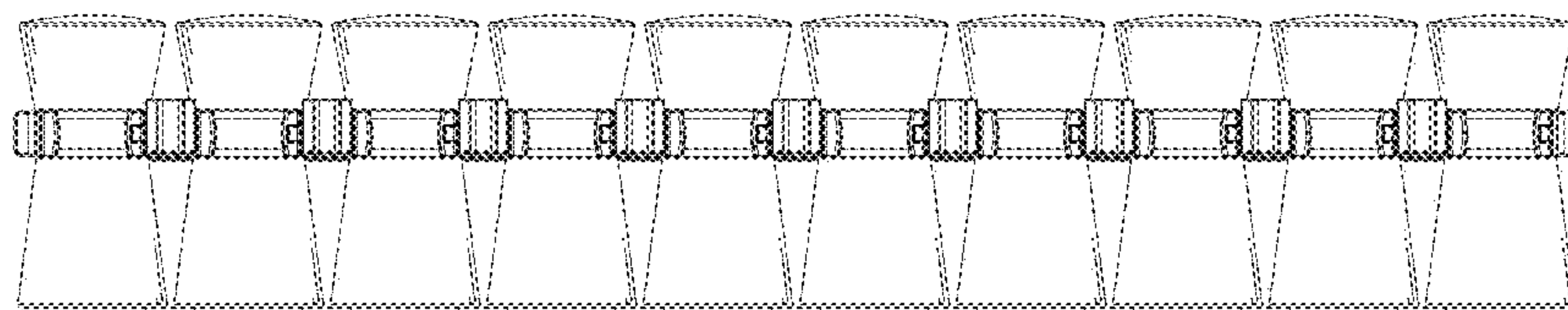


FIG. 6

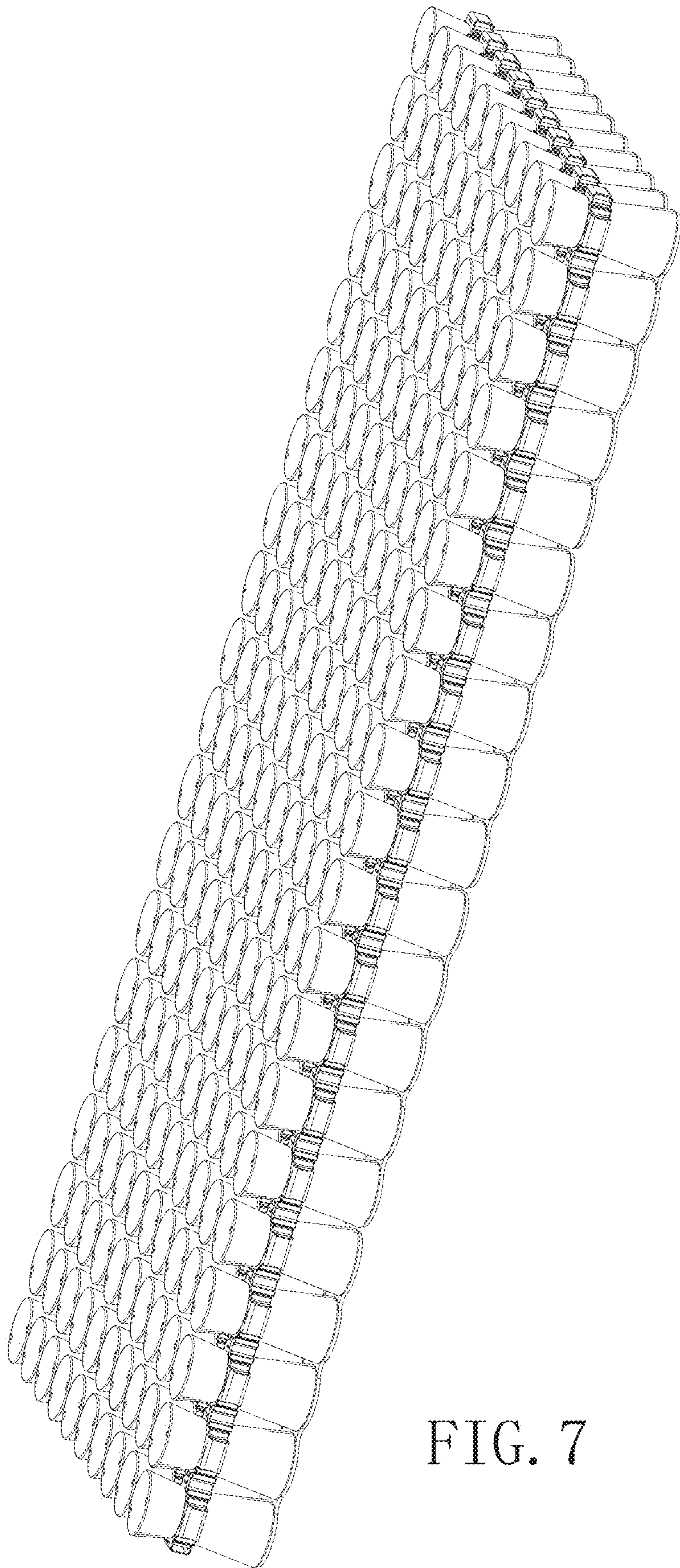


FIG. 7

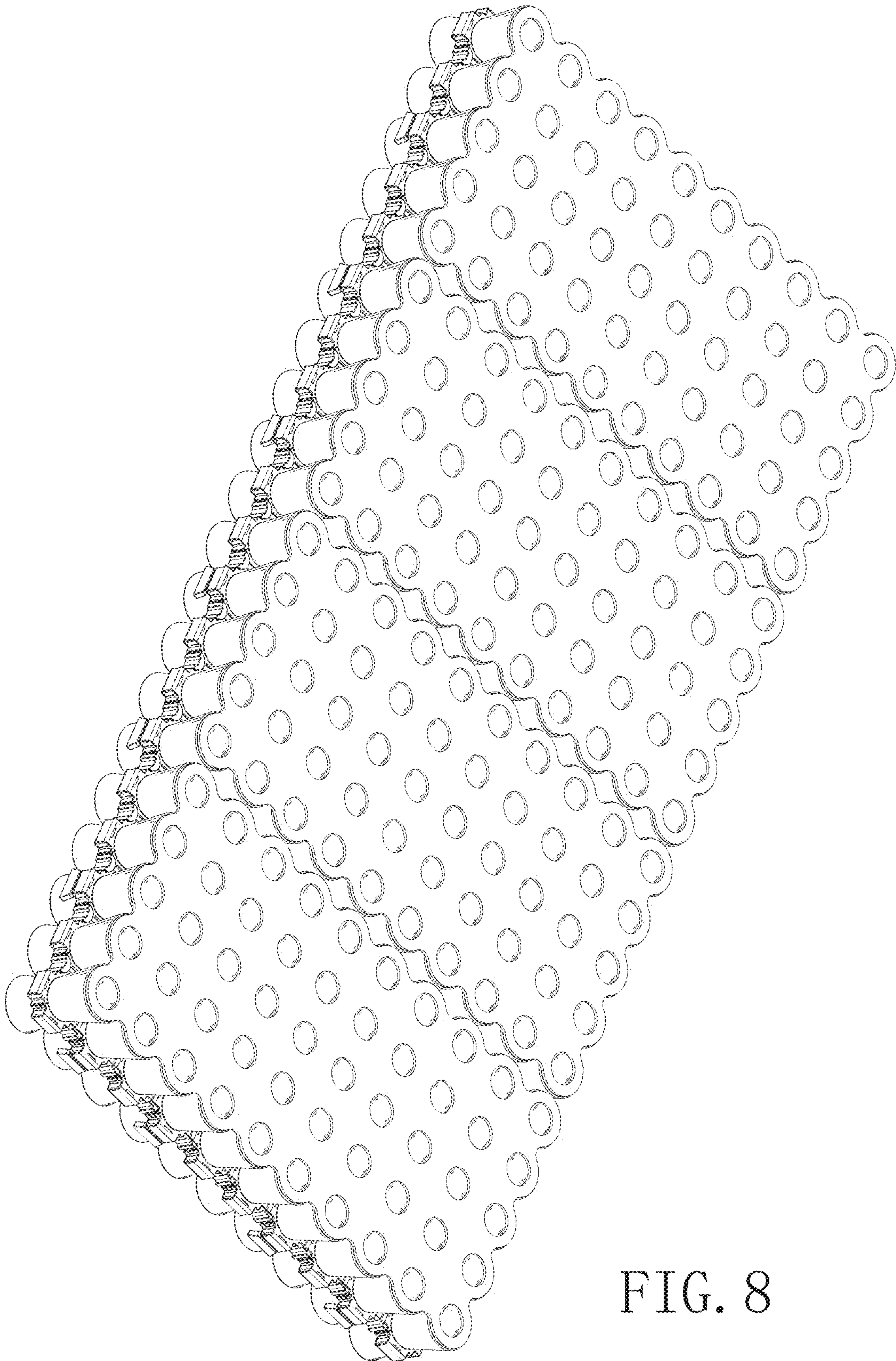


FIG. 8