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(12) United States Design Patent

Kim et al.

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(54) **ELECTRODE ARRAY FOR ELECTRIC FIELD THERAPY**

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(73) Assignee: **Filedcure Co., Ltd.**, Seoul (KR)

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(30) **Foreign Application Priority Data**

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(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/187**

(58) **Field of Classification Search**
USPC D24/107, 158, 186, 187, 200, 201, 202, D24/206, 215
CPC .. A61N 1/0541; A61N 1/0543; A61N 1/0551; A61N 1/0534; A61N 1/0553; A61N 1/0531; A61N 1/37247; A61N 1/0476; A61N 1/0529; A61N 1/36002; A61N 1/40; A61N 1/0492
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D702,357 S * 4/2014 Vosch D24/187
D733,308 S * 6/2015 Pierenkemper D24/200
D748,275 S * 1/2016 Vosch D24/187
D822,838 S * 7/2018 Zuckerman-Stark D24/187
D828,916 S * 9/2018 Zuckerman-Stark D24/186
D937,419 S * 11/2021 Lou D24/168
D1,009,276 S * 12/2023 Wasserman D24/187
D1,010,138 S * 1/2024 Kirson D24/187
D1,012,295 S * 1/2024 Peremen D24/187
D1,016,308 S * 2/2024 Samant D24/168
D1,030,069 S * 6/2024 Monsor D24/187
(Continued)

FOREIGN PATENT DOCUMENTS

KR 3012170410003 * 8/2023
KR 301278393.0000 * 10/2024

OTHER PUBLICATIONS

"Industry Tap: electrode-array-hand-0419." Found online Dec. 17, 2024 at industrytap.com. Reference dated May 11, 2019. Retrieved from https://www.industrytap.com/scientists-create-speech-from-brain-signals/48761/electrode-array-hand-0419.*
(Continued)

Primary Examiner — Kendra Leslie Hamilton
Assistant Examiner — Elizabeth S Struble

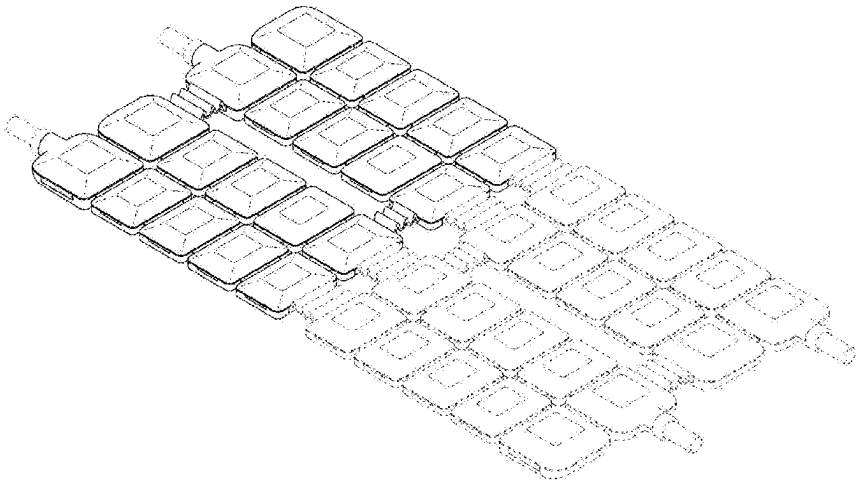
(57) **CLAIM**

The ornamental design for an electrode array for electric field therapy as shown and described.

DESCRIPTION

1.1 : Perspective
1.2 : Front
1.3 : Back
1.4 : Top
1.5 : Bottom
1.6 : Left
1.7 : Right
The broken lines in the drawings depict environmental subject matter and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2002/0111658	A1*	8/2002	Greenberg	A61N 1/0543 607/116
2024/0091525	A1*	3/2024	Hendricks	A61N 1/05

OTHER PUBLICATIONS

"Feinberg News Center: Electric Scalp Device Prolongs Survival in Deadly Brain Cancer." Found online Dec. 17, 2024 at news.feinberg.northwestern.edu. Reference dated Dec. 19, 2017. Retrieved from https://news.feinberg.northwestern.edu/2017/12/19/electric-scalp-device-prolongs-survival-in-deadly-brain-cancer/.*

"IEEE Spectrum: Brain Cancer Patients Survive Longer by Sending Electric Fields Through Their Heads." Found online Dec. 17, 2024 atspectrum.ieee.org. Reference dated Nov. 22, 2016. Retrieved from https://spectrum.ieee.org/brain-cancer-patients-survive-longer-by-sending-electric-fields-through-their-heads.*

"UW Medicine: Normalcy vs. time: a brain-cancer patient's choice." Found online Dec. 17, 2024 at newsroom.uw.edu. Reference datedFeb. 6, 2018. Retrieved from https://newsroom.uw.edu/blog/normalcy-vs-time-brain-cancer-patients-choice.*

* cited by examiner

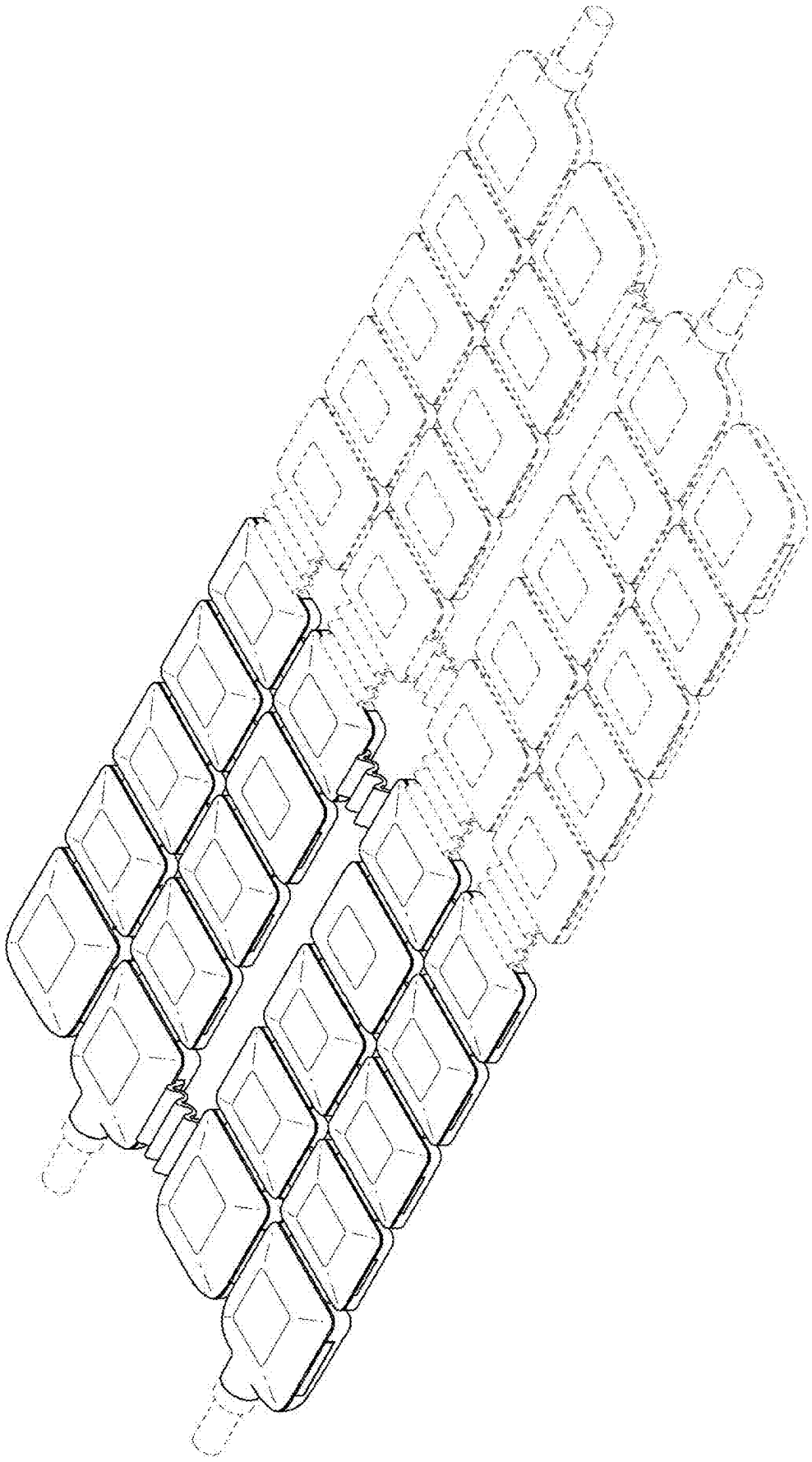


FIG. 1.1

FIG. 1.2

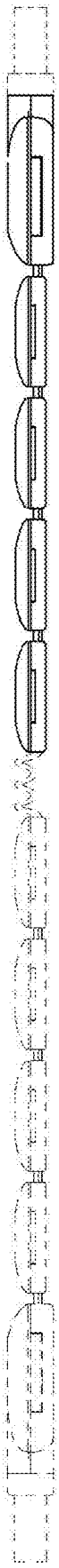


FIG. 1.3

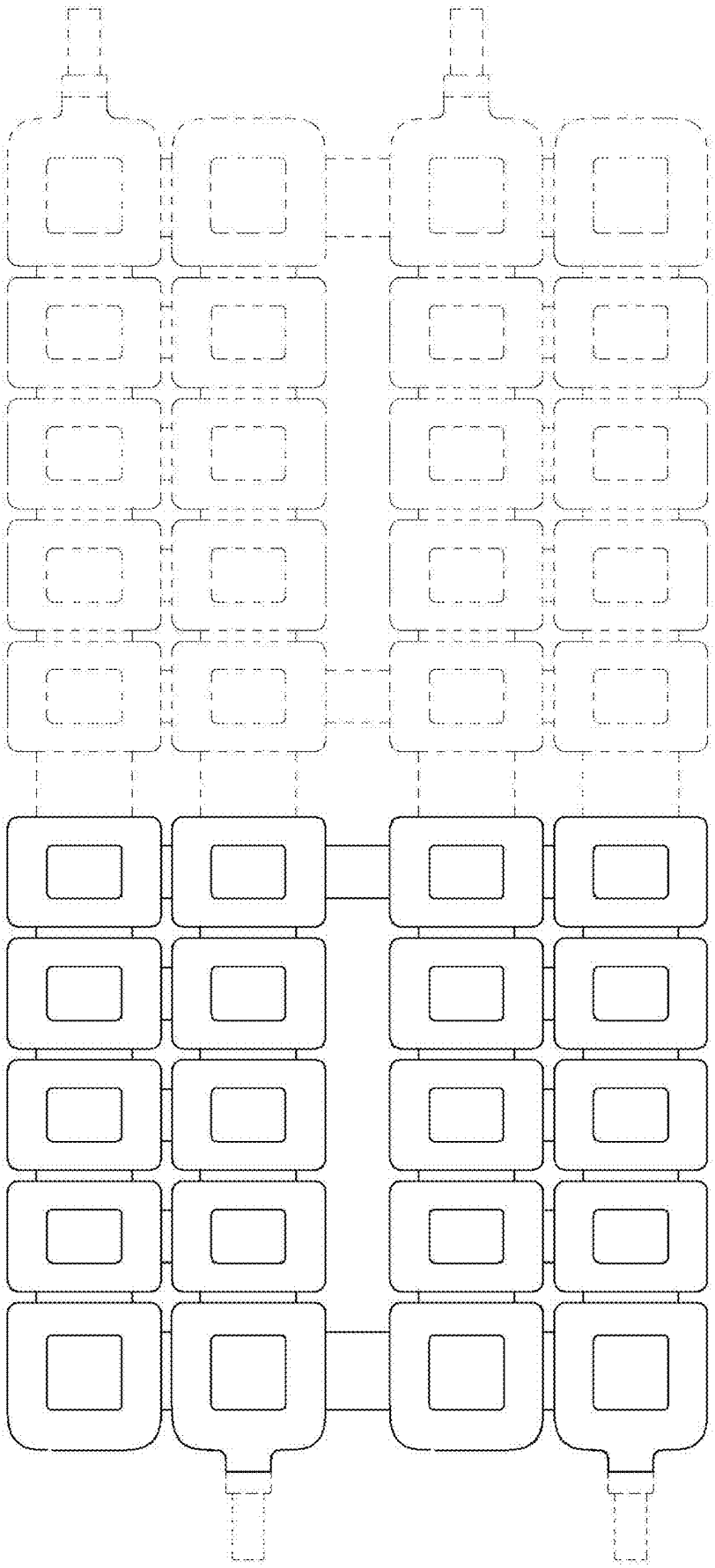


FIG. 4

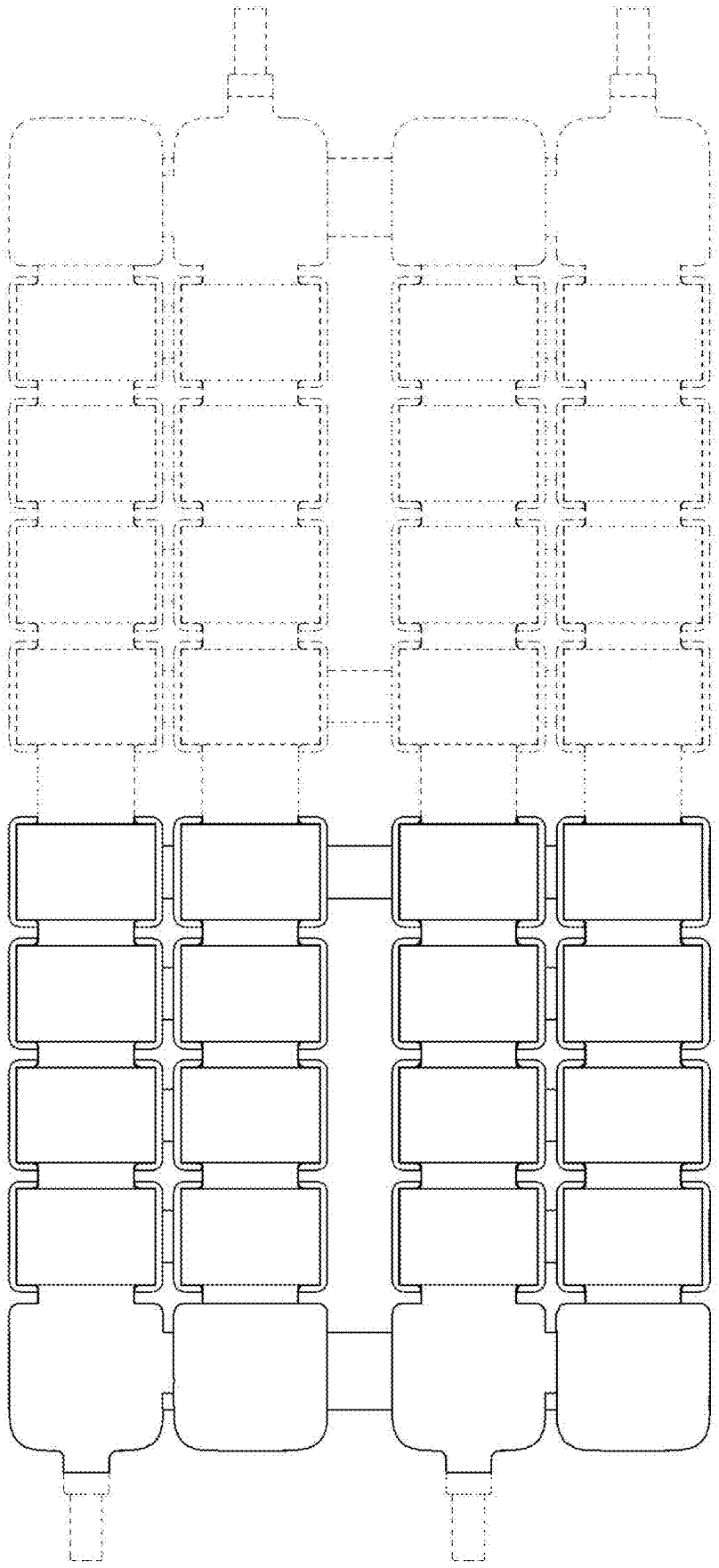


FIG. 1.5

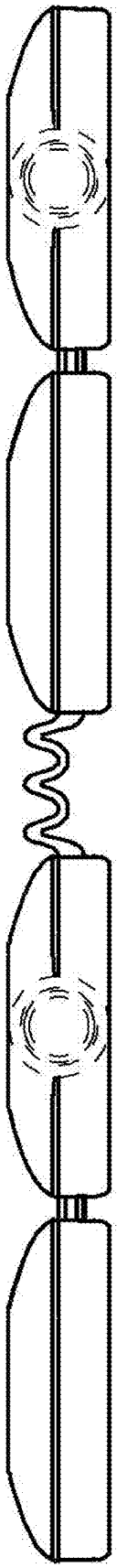


FIG. 6

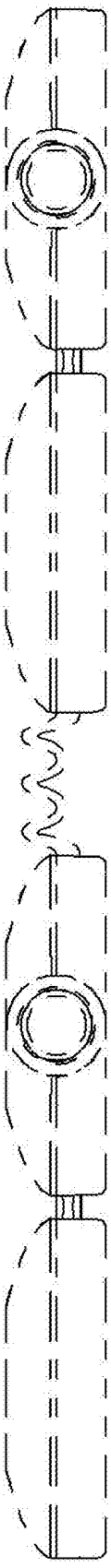


FIG. 7