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(12) **United States Design Patent**
Perkins et al.

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(45) **Date of Patent:** **** Jan. 24, 2023**

(54) **BIDIRECTIONAL BARBED SUTURE**

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(Continued)

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(73) Assignee: **Cilag GmbH International**, Zug (CH)

Volker Schoffl et al., Tendon Injuries of the Hand, World Journal of Orthopedics, Jun. 18, 2012, pp. 62-69, vol. 3, Issue 6.

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

Primary Examiner — Wan Laymon

(21) Appl. No.: **29/794,146**

(57) **CLAIM**

(22) Filed: **Jun. 10, 2021**

The ornamental design for a bidirectional barbed suture, as shown and described.

(51) **LOC (14) Cl.** **24-02**

DESCRIPTION

(52) **U.S. Cl.**

USPC **D24/145**

(58) **Field of Classification Search**

USPC D24/145
CPC A61B 17/06166; A61B 17/0469; A61B
2017/06176; A61B 2017/06171; A61B
2017/06057; A61B 2017/06185; A61B
2017/06028; A61B 2017/0472; A61B
2017/0461

The present design application is related to commonly assigned U.S. patent application Ser. No. 17/344,363, filed on Jun. 10, 2021, entitled "Systems, Devices and Methods for Repairing Tendons and Ligaments", the disclosure of which is hereby incorporated by reference herein.

FIG. 1 is a perspective view of a bidirectional barbed suture, showing our new design;

FIG. 2 is a top view of the bidirectional barbed suture shown in FIG. 1;

FIG. 3 is a bottom view of the bidirectional barbed suture shown in FIG. 1;

FIG. 4 is a left side view of the bidirectional barbed suture shown in FIG. 1; and,

FIG. 5 is a right side view of the bidirectional barbed suture shown in FIG. 1.

The bidirectional barbed suture is shown with a symbolic break in its length at each end. The appearance of any portion of the article beyond the breaks form no part of the claim.

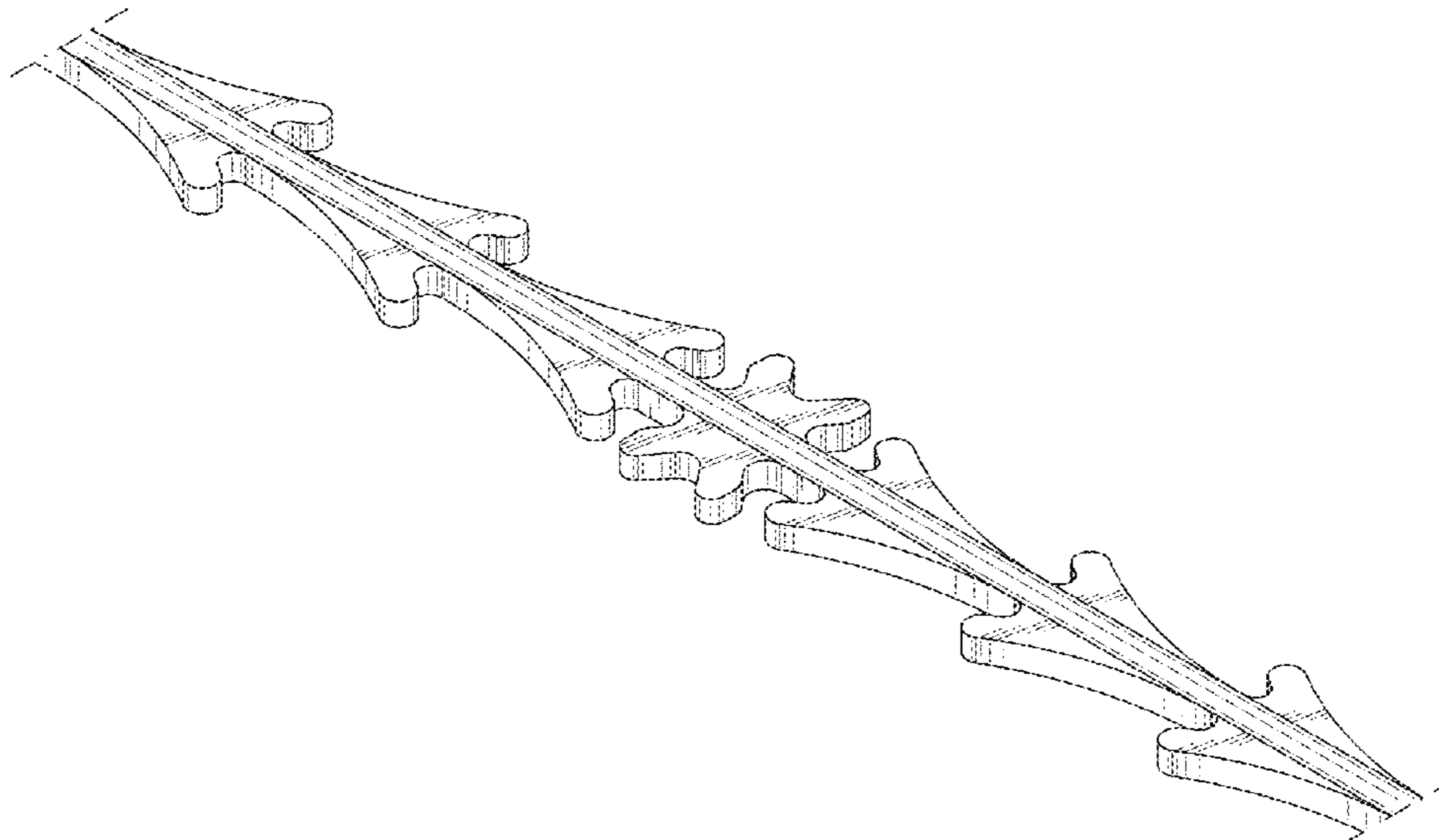
See application file for complete search history.

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1 Claim, 4 Drawing Sheets



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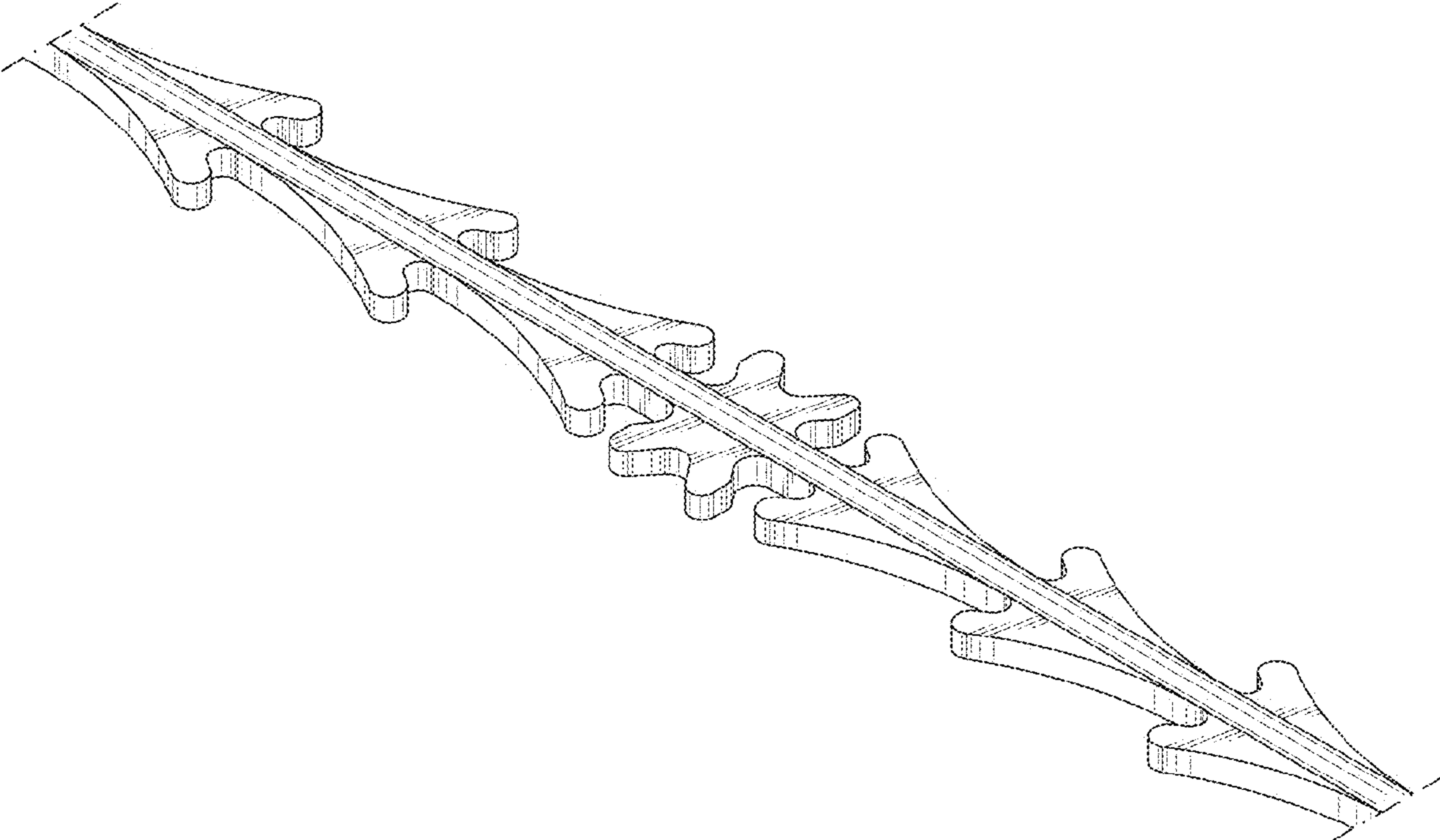


FIG. 1

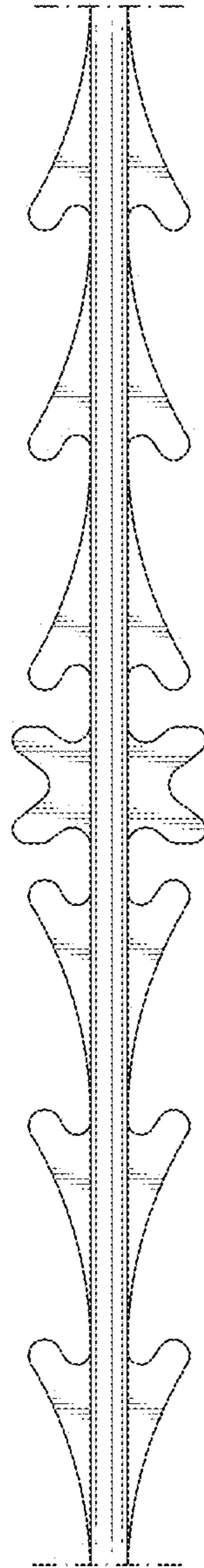


FIG. 2

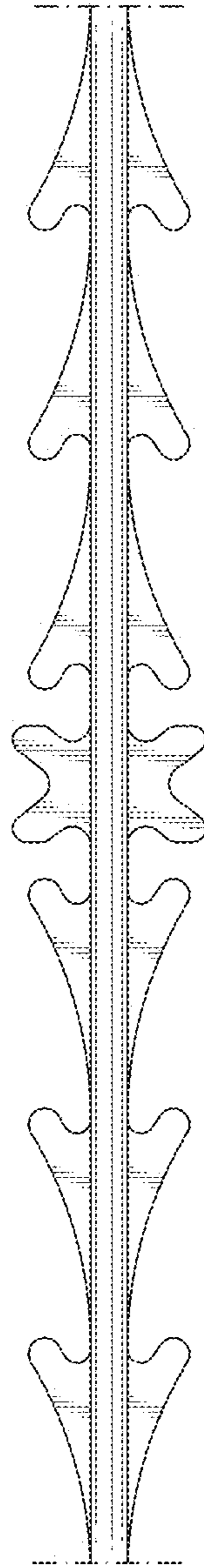


FIG. 3

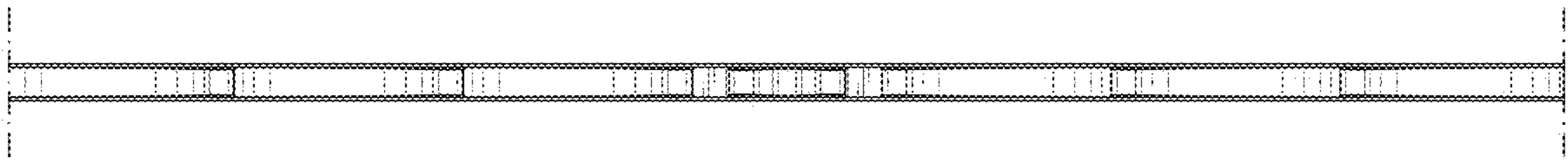


FIG. 4

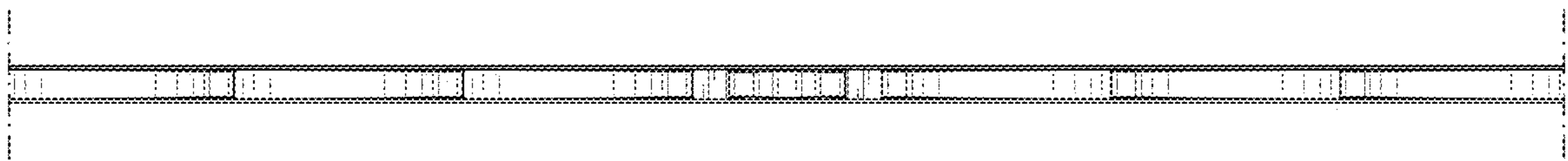


FIG. 5