



US00D638929S

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

(10) **Patent No.:** **US D638,929 S**

(45) **Date of Patent:** **\*\* May 31, 2011**

(54) **RESPIRATOR HEAD HARNESS**

(75) Inventors: **Nathan A. Abel**, White Bear Lake, MN (US); **James R. Betz**, Hudson, WI (US); **Sean M. Burke**, St. Paul, MN (US); **Michael J. Lynch**, Hudson, WI (US); **Matthew D. Reier**, St. Paul, MN (US); **Andrew S. Viner**, Roseville, MN (US)

(73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/282,531**

(22) Filed: **Jul. 23, 2007**

(51) **LOC (9) Cl.** ..... **24-02**

(52) **U.S. Cl.** ..... **D24/110.1**

(58) **Field of Classification Search** ..... D24/108-110.5;  
128/206.12, 206.19, 206.27, 205.25, 206.15,  
128/206.18, 206.21

See application file for complete search history.

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Betz, Sean M. Burke, Michael J. Lynch, Matthew D. Reier, and Andrew S. Viner; filed Mar. 31, 2006; total pp. 31 including drawings. Product Literature: 3M Company, "Full Facepiece Respirator 7000 Series—User Instructions", 2004, 19 pgs. Product Literature: 3M Company, "Half and Full Facepiece Respirators", Jan. 2002, 6 pgs. Product Literature: MSA, "Advantage 1000 Low Maintenance Respirator", Mar. 2001, 4 pgs. Product Literature: Drager Safety, "X-Plore 6570 Full Face Masks", (date unknown but believed to be prior to the date of the filing of the present application), 2 pgs. Product Literature: Drager Safety, "X-Plore 5500 Full Face Mask", (date unknown but believed to be prior to the date of the filing of the present application), 2 pgs. Product Literature: North Safety Products, "North Respiratory Protection", 2005, pp. 1, 9, 13, 17, 22, 34, 36, 37.

(Continued)

*Primary Examiner* — Ian Simmons

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(74) *Attorney, Agent, or Firm* — Kenneth D. Wood

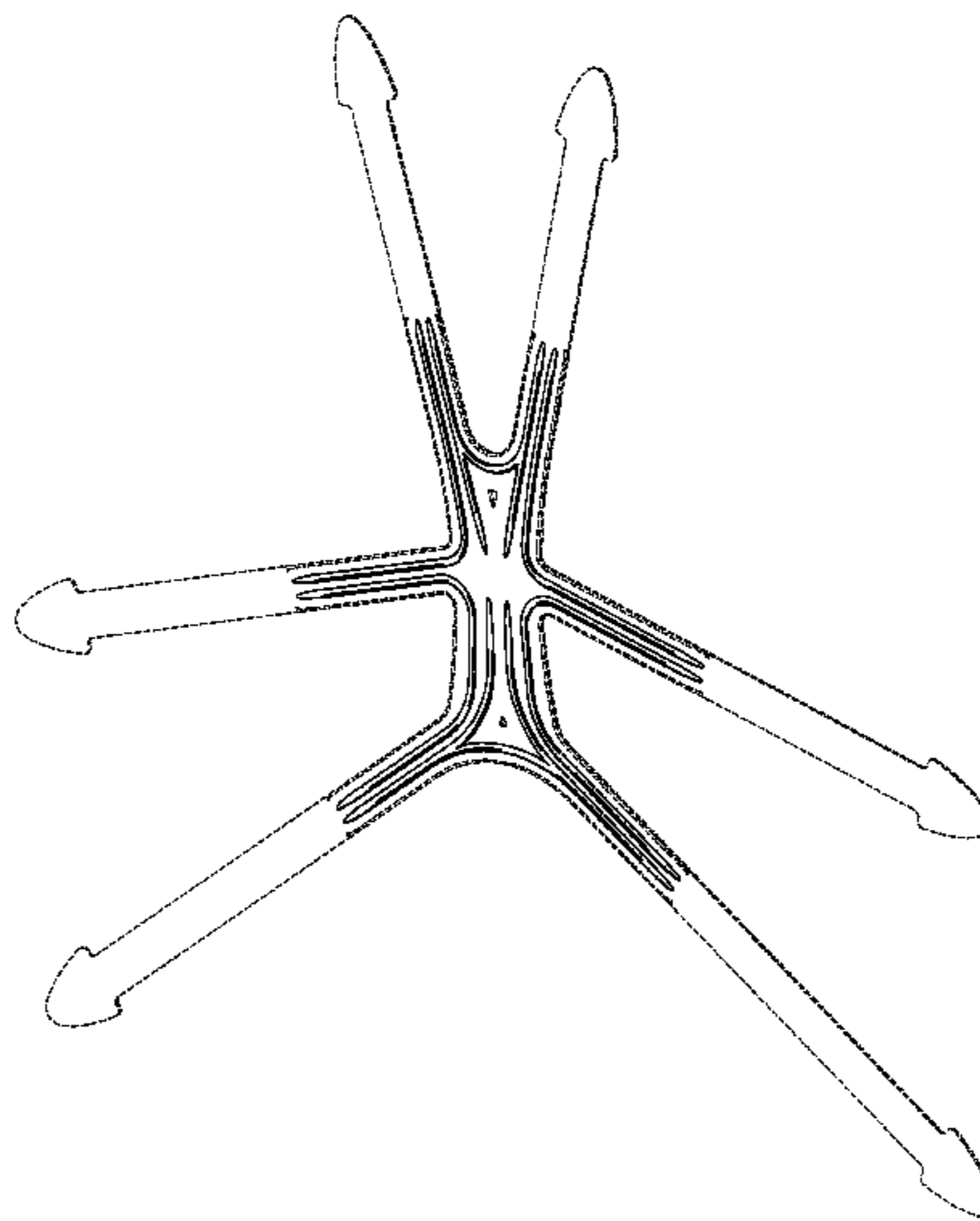
(57) **CLAIM**

The ornamental design for a respirator head harness, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a respirator head harness showing our new design; FIG. 2 is a top view thereof; FIG. 3 is a bottom view thereof; FIG. 4 is a left side view thereof, the right side view being a mirror image of the left side view; FIG. 5 is a front view thereof; FIG. 6 is a rear view thereof; and, FIG. 7 is a magnified view of the central portion of FIG. 2. The broken line showing is included for the purpose of illustrating environment and forms no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



OTHER PUBLICATIONS

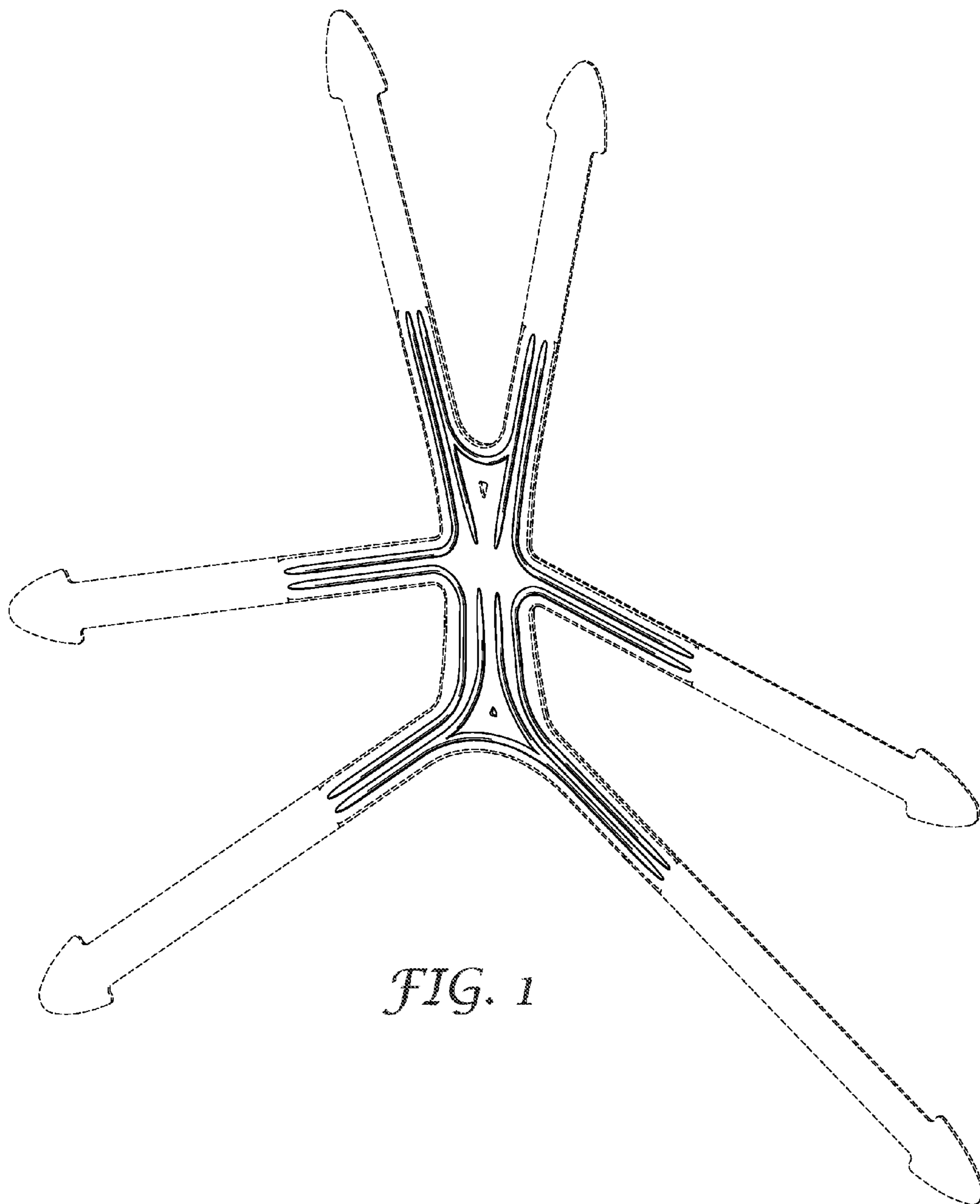
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*FIG. 1*

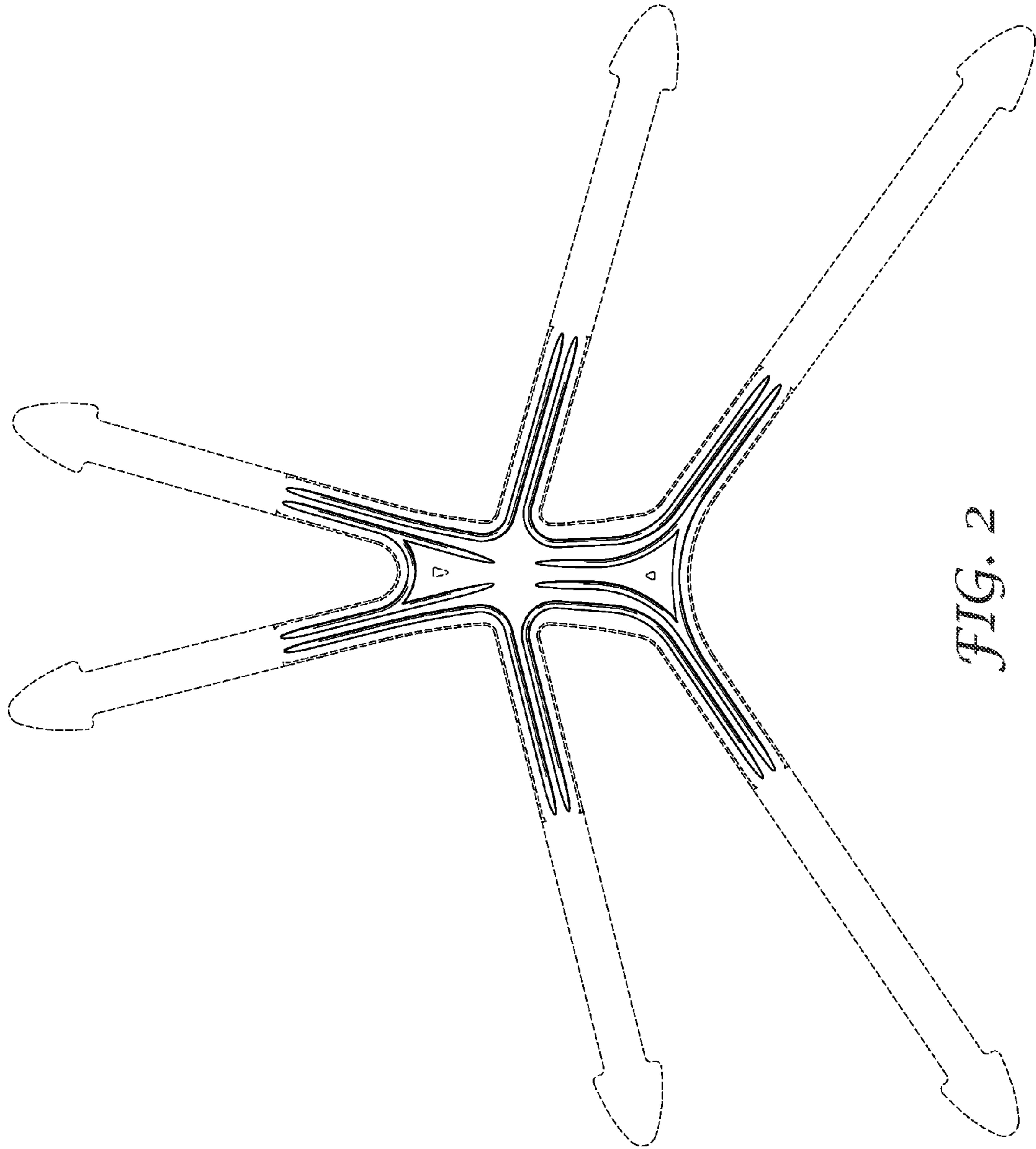
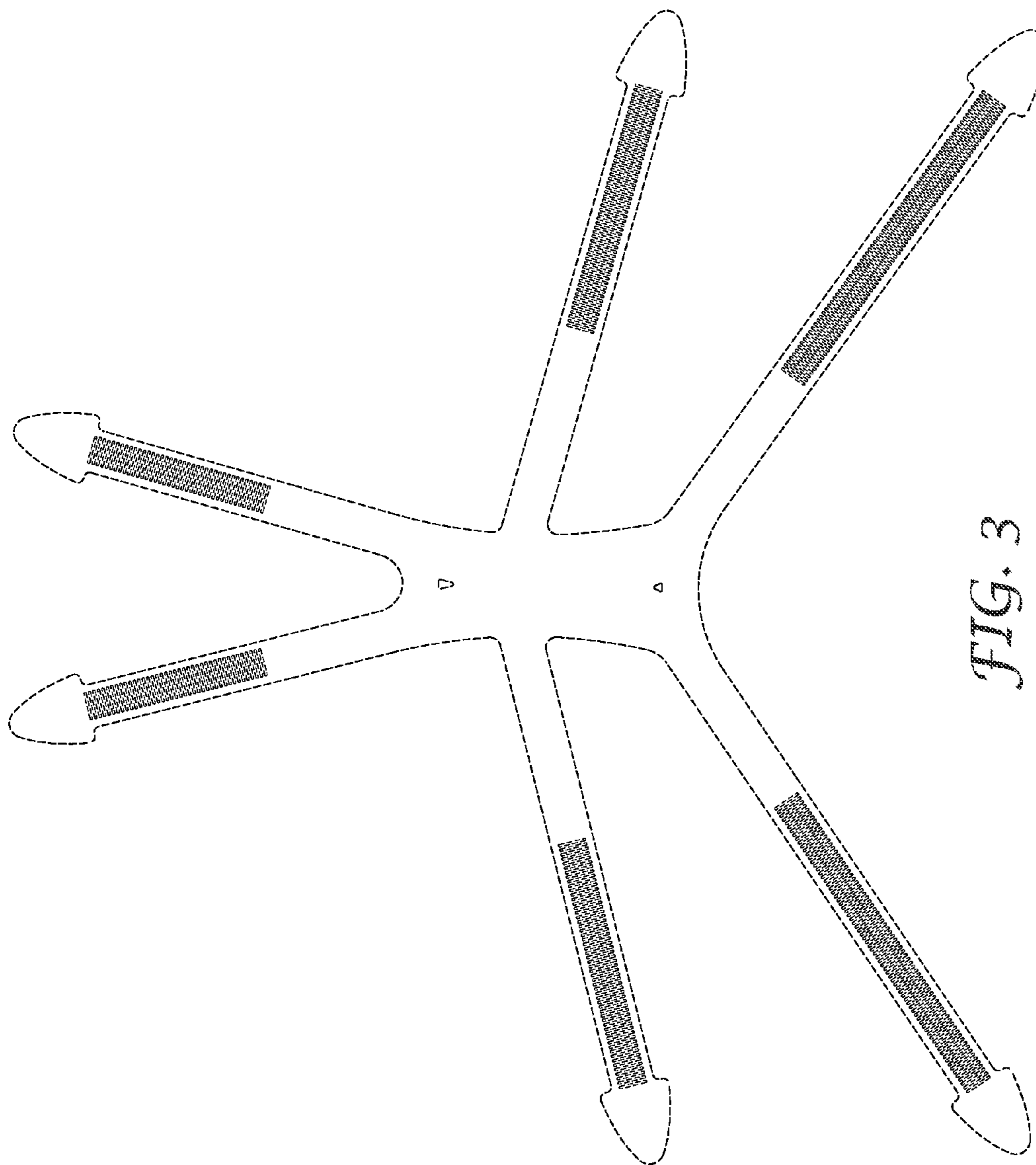


FIG. 2





*FIG. 5*



*FIG. 6*

*FIG. 4*



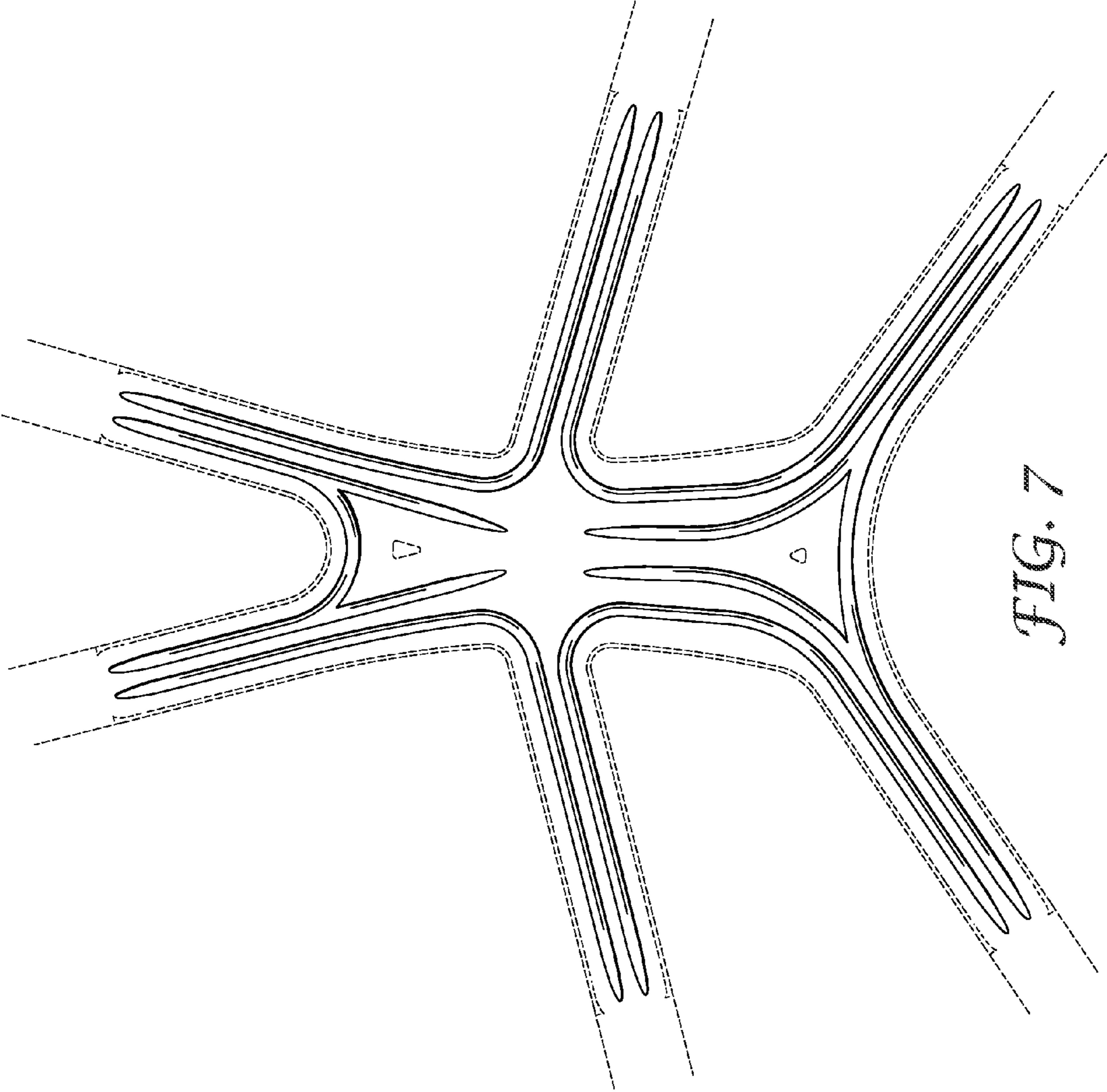


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D638,929 S  
APPLICATION NO. : 29/282531  
DATED : May 31, 2011  
INVENTOR(S) : Nathan Arlan Abel

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**First Page, Column 2**

Line 1, delete "Kenneth D. Wood" and insert -- Kenneth B. Wood --, therefor.

Signed and Sealed this  
Eighteenth Day of October, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive style with a large, stylized 'D' and 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*