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(12) United States Design Patent

Ogawa et al.

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(54) **WINDING-TYPE ANNULAR INDUCTOR**

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(73) Assignee: **N.O.C. Co., Ltd.**, Niigata (JP)

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

(21) Appl. No.: **29/287,313**

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

(30) **Foreign Application Priority Data**

Apr. 2, 2007 (JP) 2007-008525

(51) **LOC (8) Cl.** **13-02**
(52) **U.S. Cl.** **D13/117**
(58) **Field of Classification Search** D13/117, D13/182, 199; 336/15, 65, 98, 192, 210, 336/222, 229
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D137,250 S * 2/1944 Moore D13/117
2,741,528 A * 4/1956 Clark et al. 336/98
D329,041 S * 9/1992 Masuda et al. D13/117
D452,220 S * 12/2001 Robson D13/182
6,819,214 B2 * 11/2004 Elliott et al. 336/229

* cited by examiner

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(57) **CLAIM**

The ornamental design for a winding-type annular inductor, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a winding-type annular inductor showing our new design;

FIG. **2** is a front elevational view thereof;

FIG. **3** is a rear elevational view thereof;

FIG. **4** is a top plan view thereof;

FIG. **5** is a bottom plan view thereof;

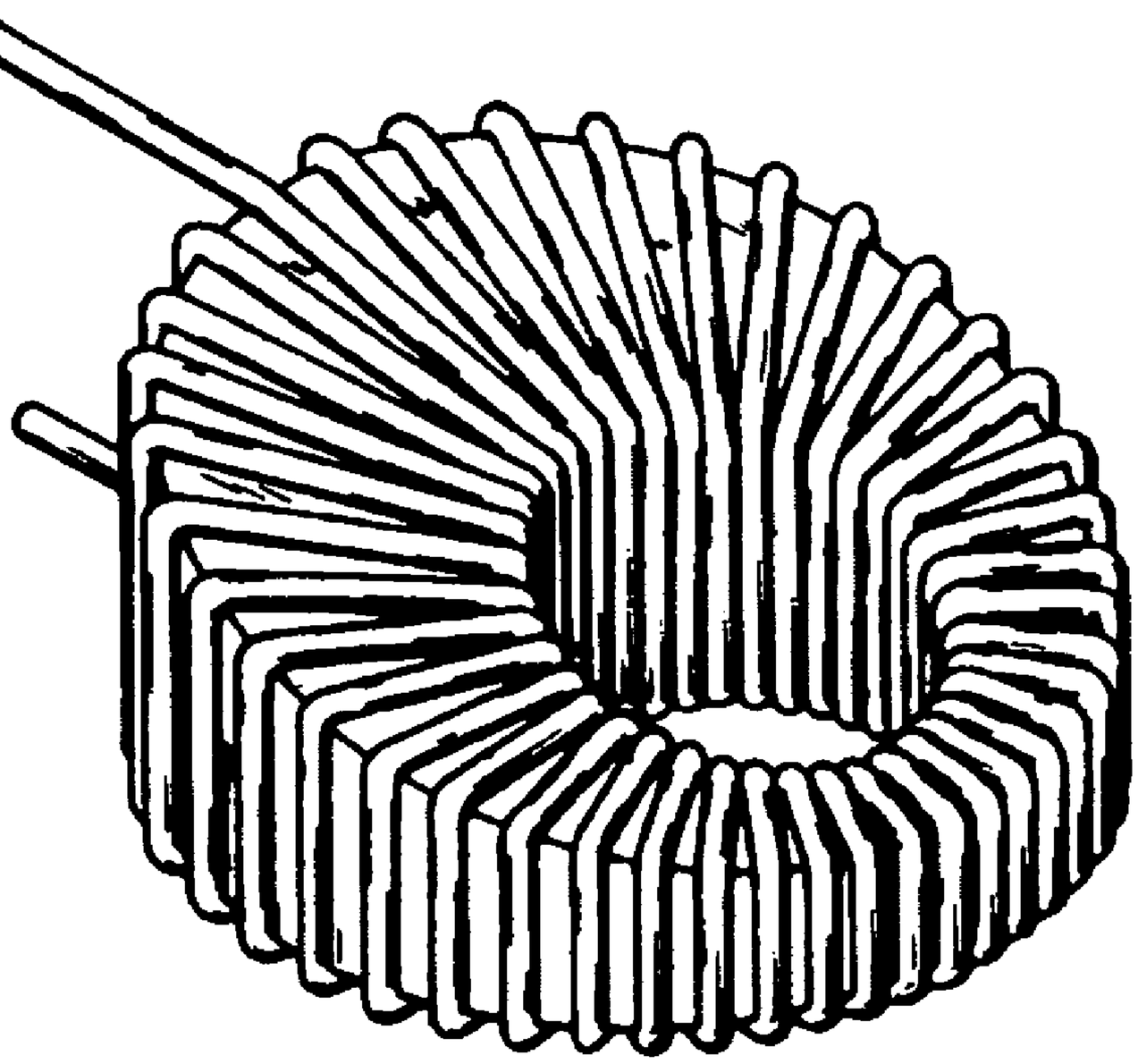
FIG. **6** is a right side elevational view thereof;

FIG. **7** is a left side elevational view thereof; and,

FIG. **8** is an illustrative view thereof while in use.

The portions shown in broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



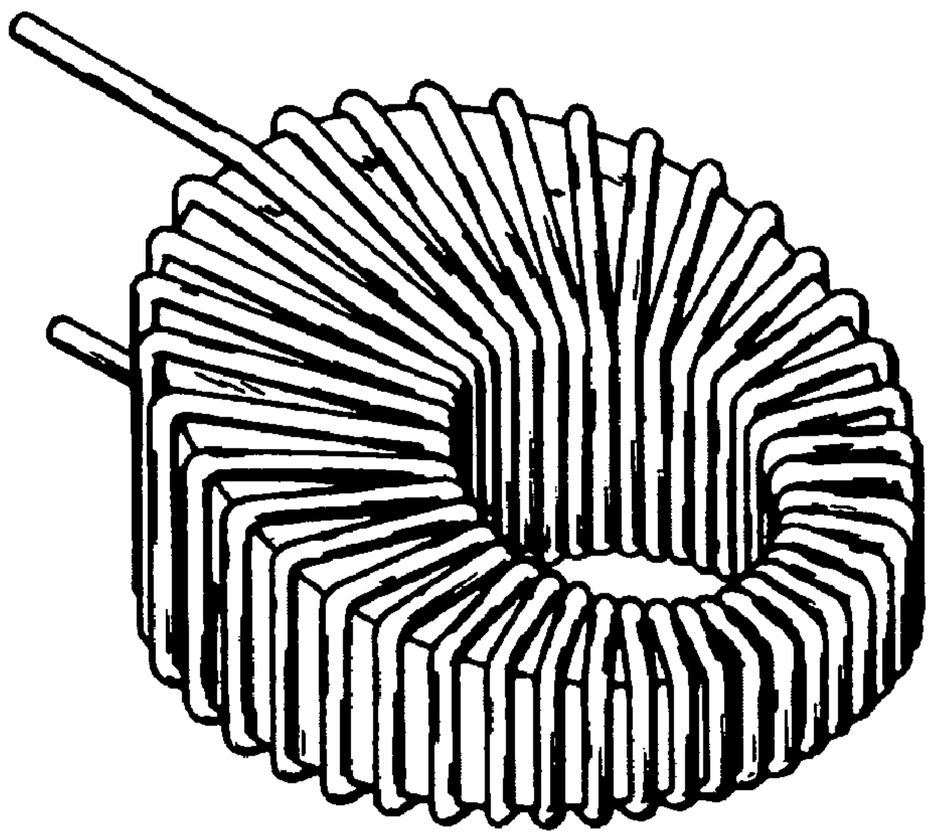


Fig. 1

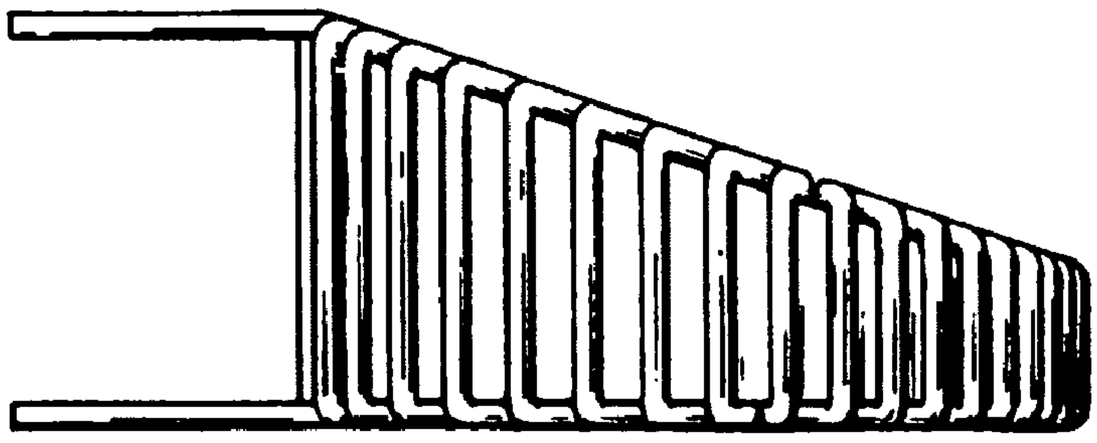


Fig. 2

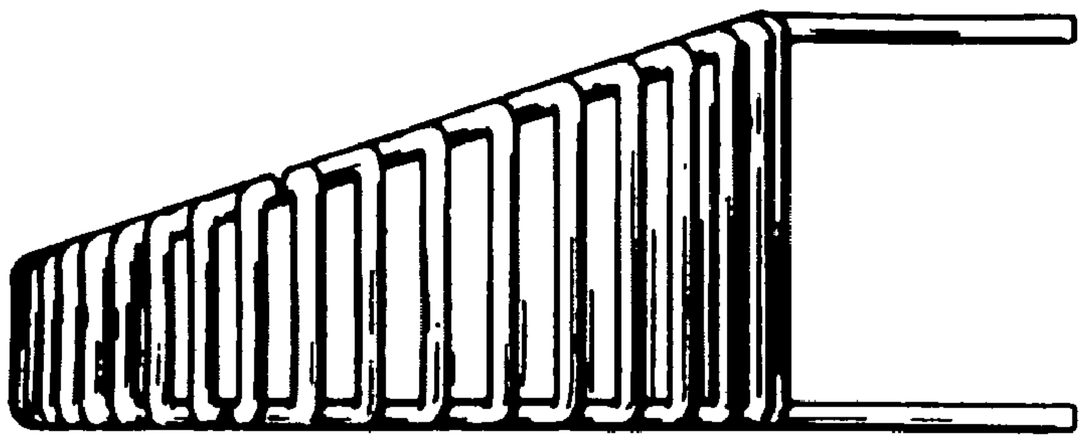


Fig. 3

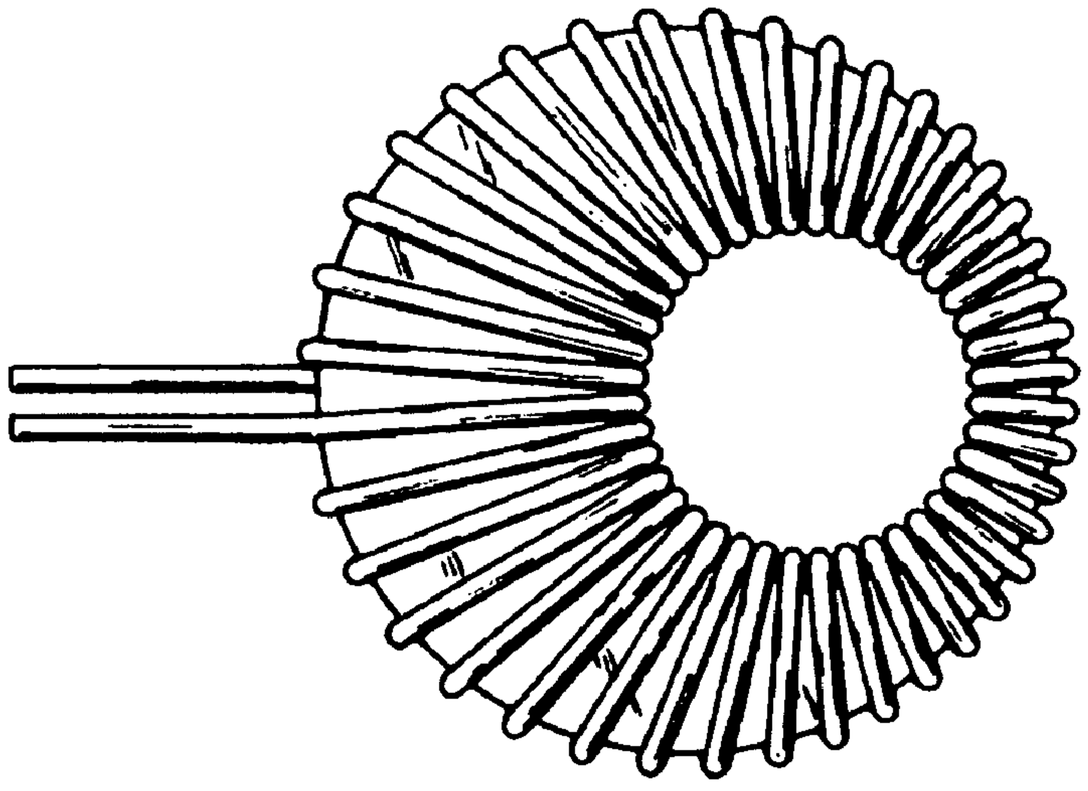


Fig. 4

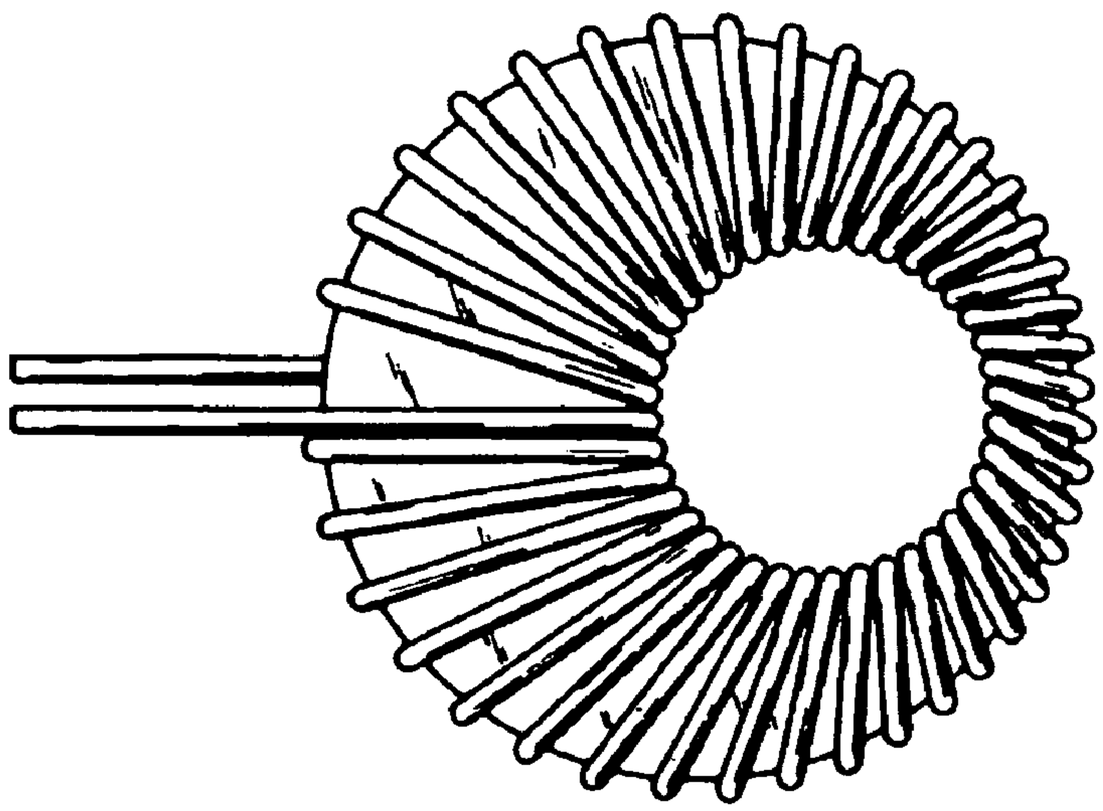


Fig. 5

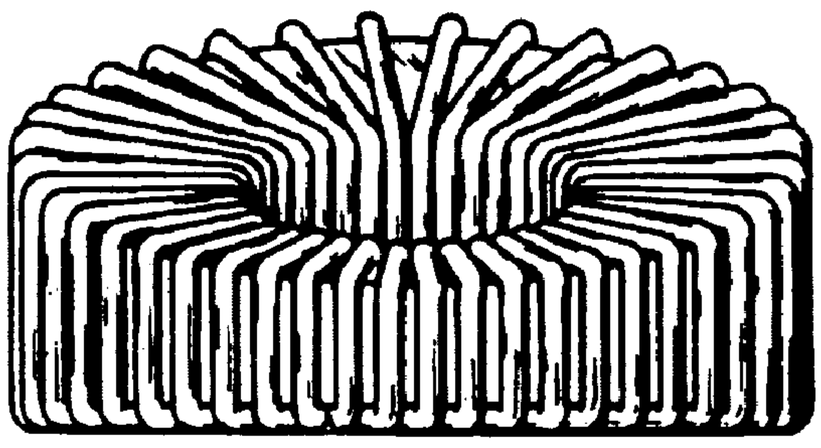


Fig. 6

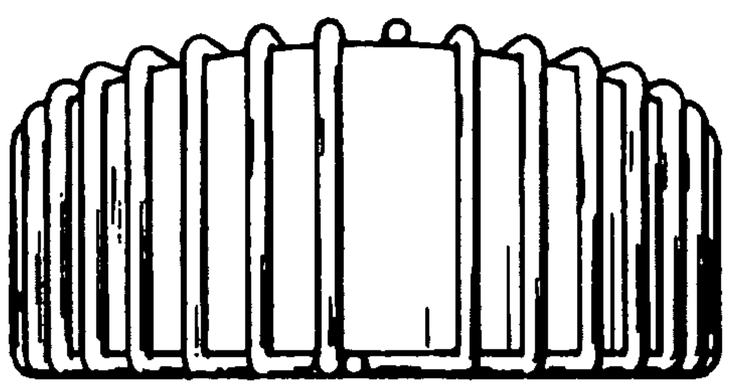


Fig. 7

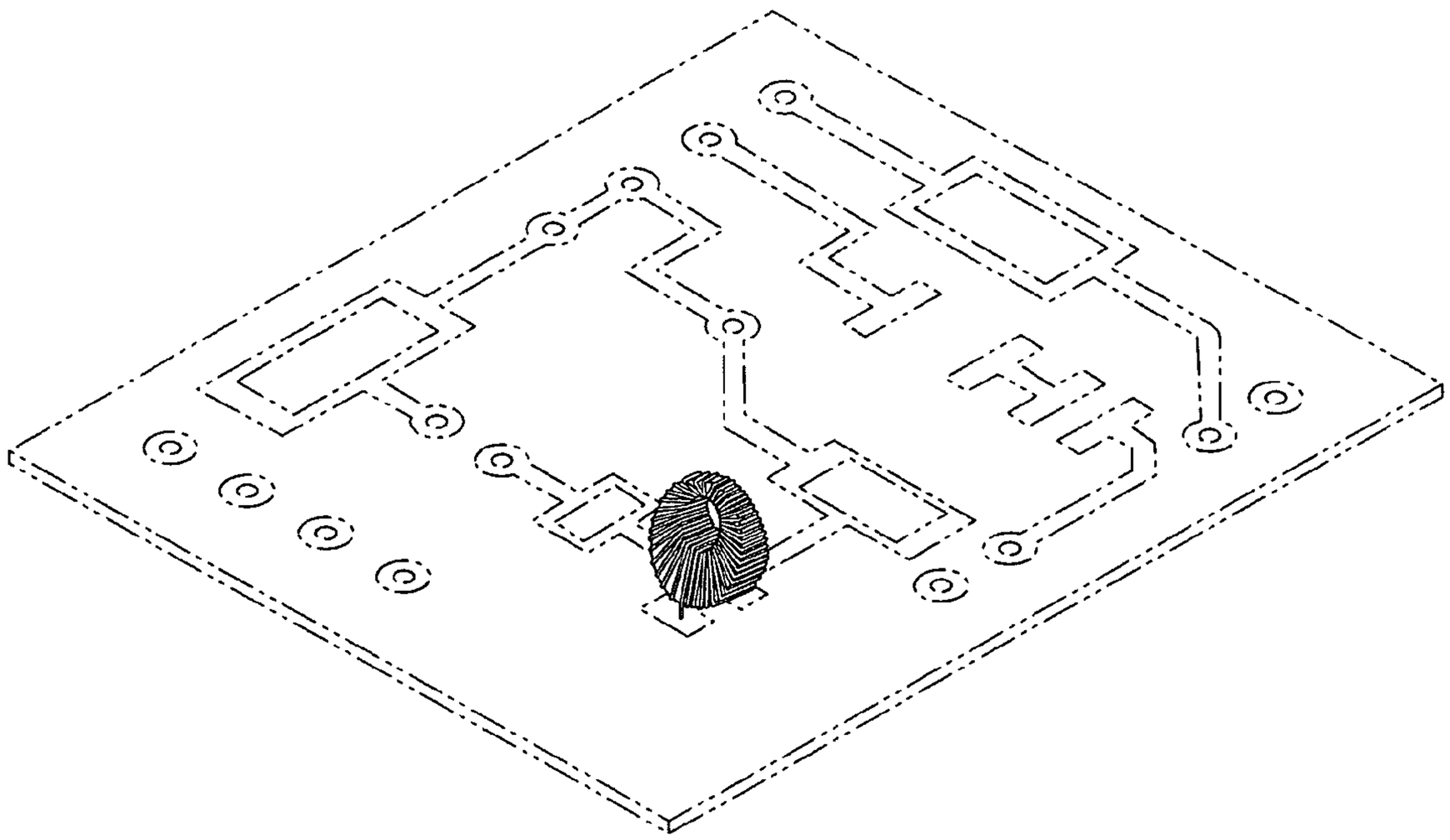


Fig. 8