



(12) **United States Patent**
Chen

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(54) **COAXIAL CABLE CONNECTOR**

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(73) Assignee: **Ezconn Corporation**, Taipei (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/761,669**

(22) Filed: **Apr. 16, 2010**

(51) **Int. Cl.**
H01R 9/05 (2006.01)

(52) **U.S. Cl.** **439/578**; 439/583

(58) **Field of Classification Search** 439/578,
439/581-585

See application file for complete search history.

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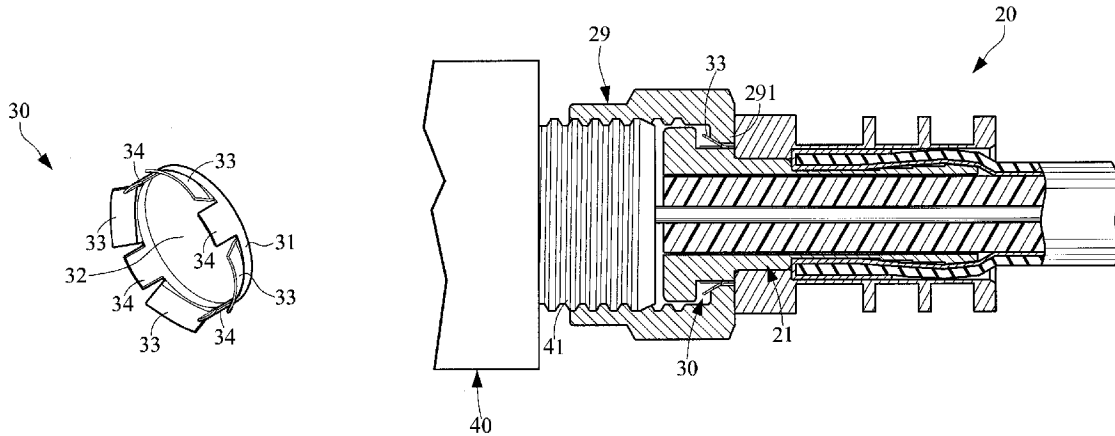
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(57) **ABSTRACT**

A coaxial cable connector includes: coaxial and radially spaced inner sleeve and outer sleeve, a front end of the inner sleeve having an outer flange and a first and a second interface sections, a rear end of the inner sleeve having a rearward extending section; a nut having an inner flange at rear end; and a conductive grounding spring mounted between the first interface section of the inner sleeve and the inner flange of the nut. The conductive grounding spring has an inner annular section fitted around the first interface section of the inner sleeve in secure contact therewith, and multiple plate-like resilient tongue sections extending from an end of the inner annular section and outward bent for mechanically and electrically connecting with the inner flange of the nut. The coaxial cable connector can be reliably electrically connected with a threaded interface connector of an electronic device via the nut.

2 Claims, 4 Drawing Sheets



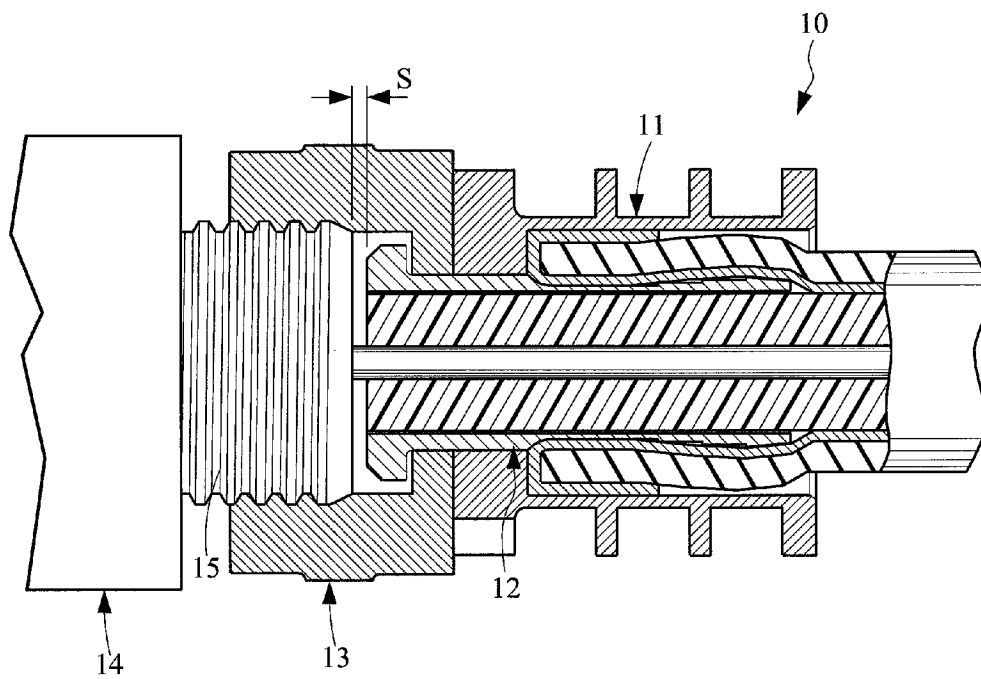


FIG.1
PRIOR ART

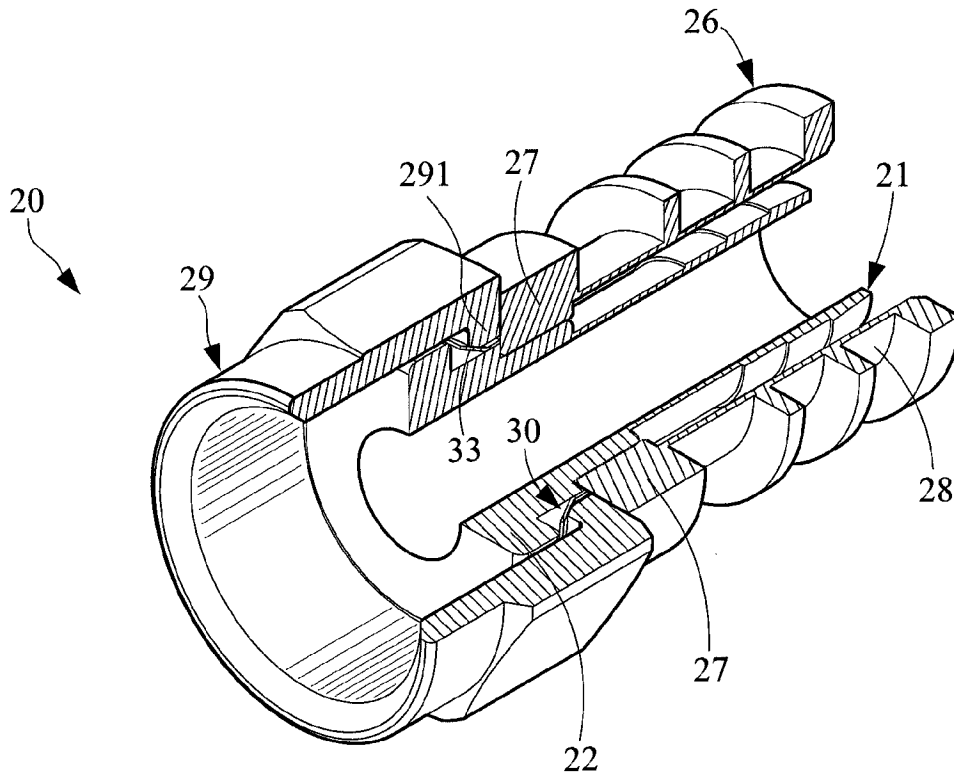


FIG. 2

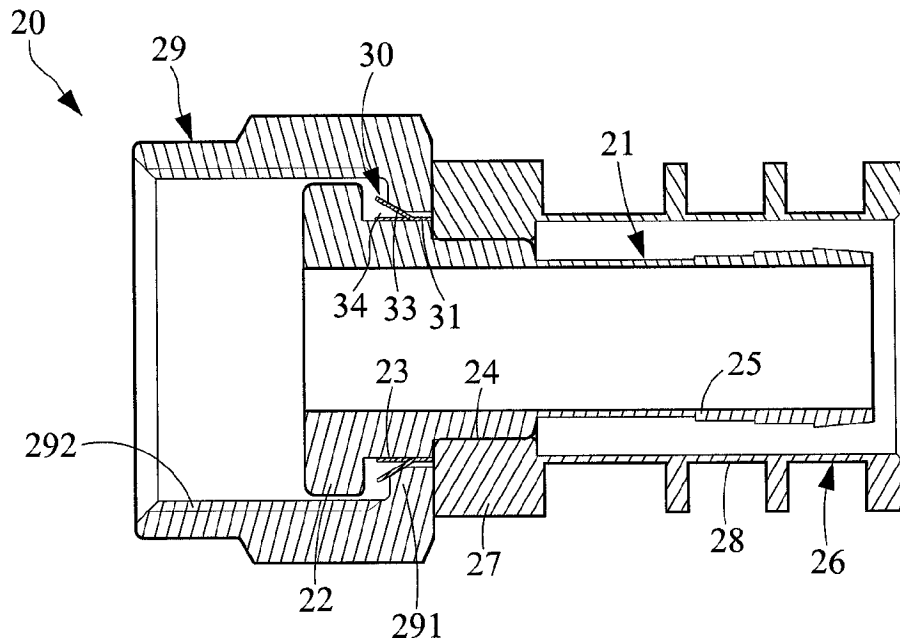


FIG. 3

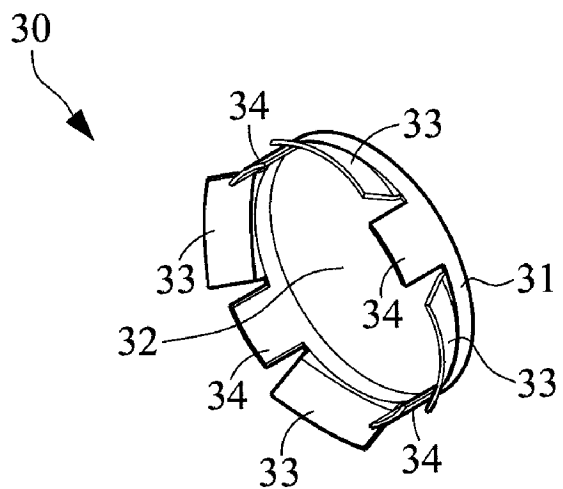


FIG. 4

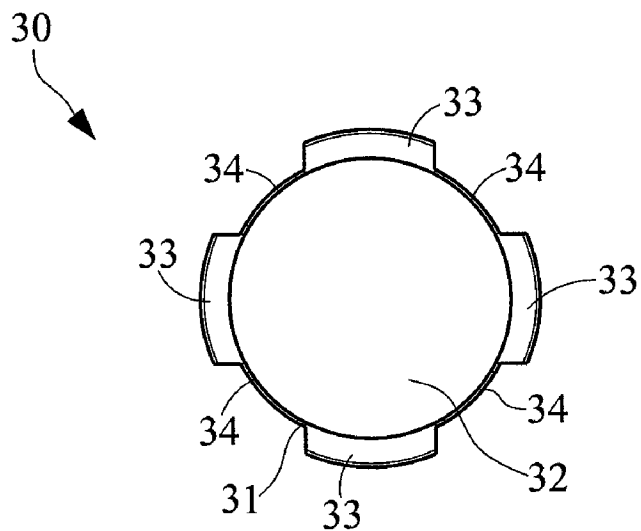


FIG. 5

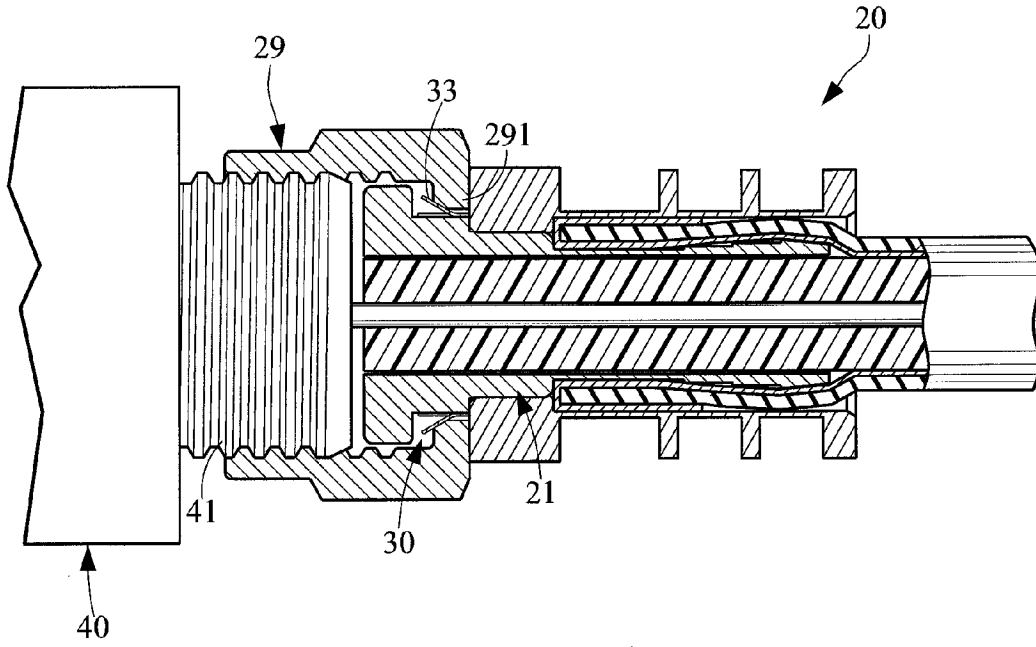


FIG. 6A

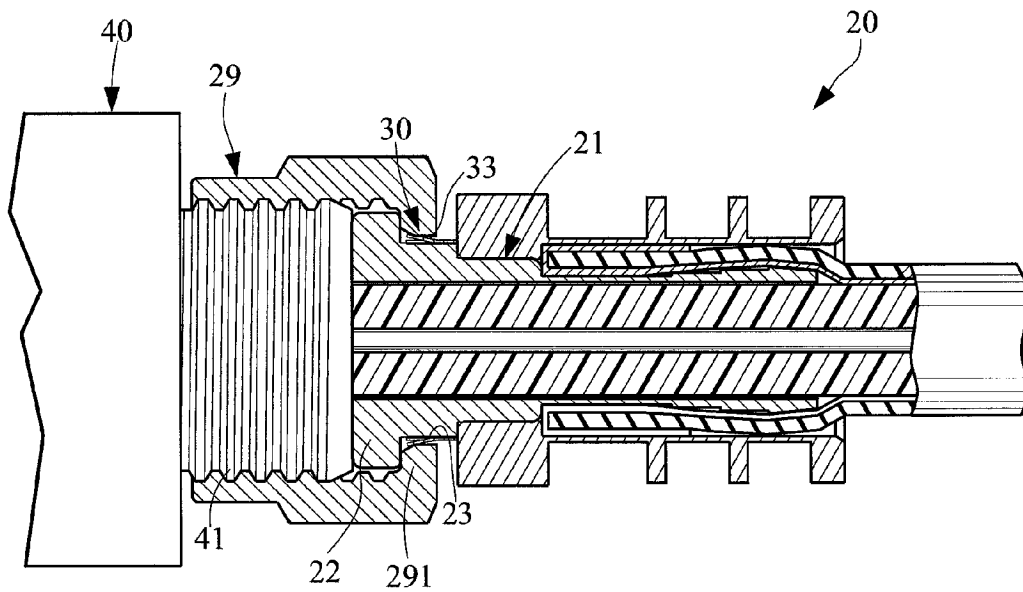


FIG. 6B

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