



(12) **United States Patent**  
**Bence et al.**

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(54) **ELECTRICAL CONNECTOR WITH  
GROUNDING MEMBER**

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(73) Assignee: **Corning Gilbert Inc.**, Glendale, AZ  
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(\* ) Notice: Subject to any disclaimer, the term of this  
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(21) Appl. No.: **11/541,903**

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**Related U.S. Application Data**

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Jan. 25, 2005, now Pat. No. 7,114,990.

(57) **ABSTRACT**

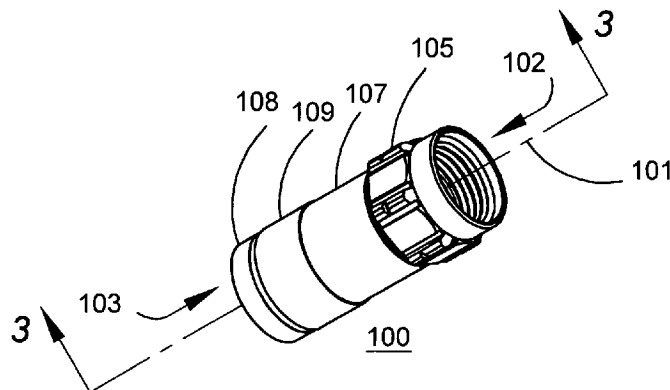
(51) **Int. Cl.**  
**H01R 9/05** (2006.01)  
(52) **U.S. Cl.** ..... **439/583**  
(58) **Field of Classification Search** ..... 439/578,  
439/583, 584, 320, 322, 314  
See application file for complete search history.

A coaxial cable connector includes tubular post, a coupler  
secured over an end of the tubular post for securing the con-  
nector to an appliance, and an outer body secured to the  
tubular post. An electrical grounding path is maintained  
between the coupler and the tubular post whether or not the  
coupler is tightly fastened to the appliance. The electrical  
grounding path is provided by a resilient, electrically-conduc-  
tive grounding member disposed between the tubular post  
and the coupler. Alternatively, the connector includes conduc-  
tive grease at a point where mating portions of the tubular post  
and coupler have closely matching dimensions.

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**17 Claims, 8 Drawing Sheets**

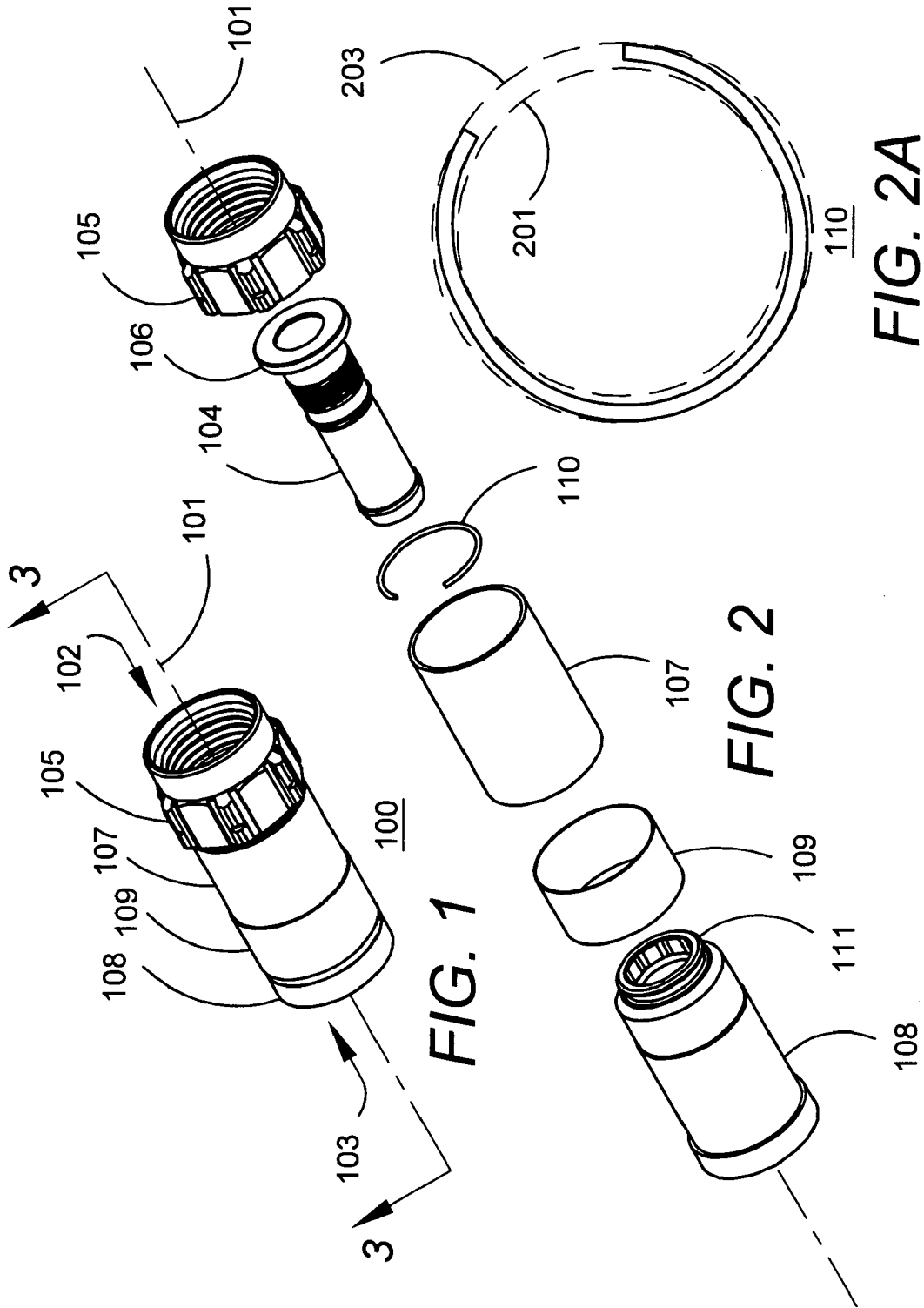


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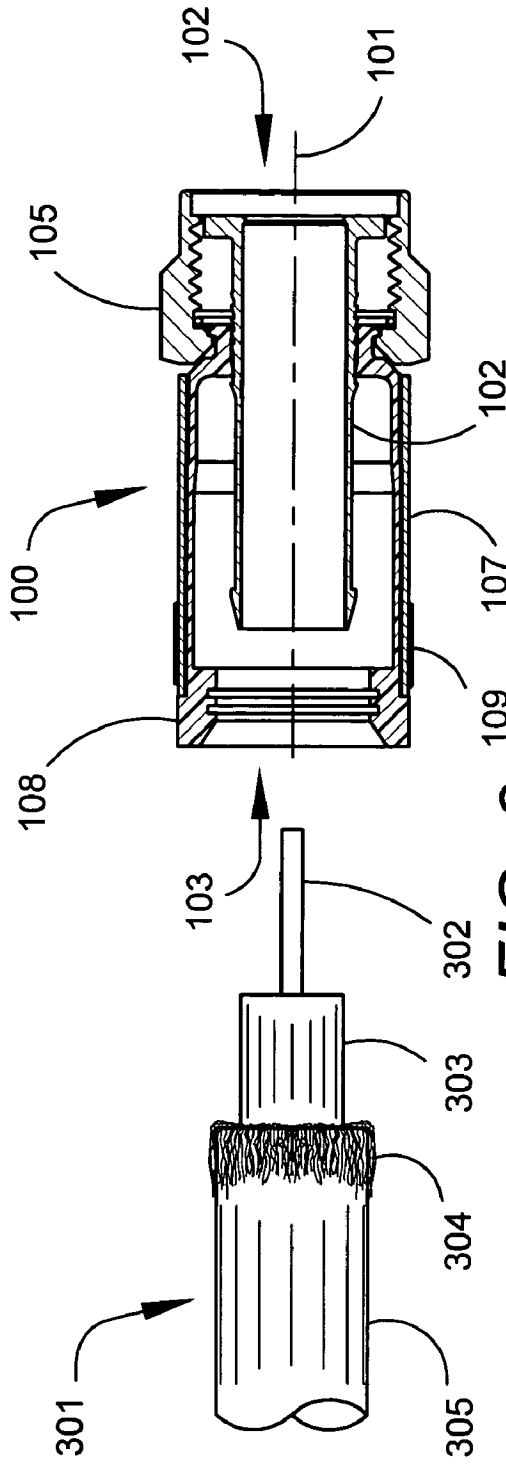


FIG. 3

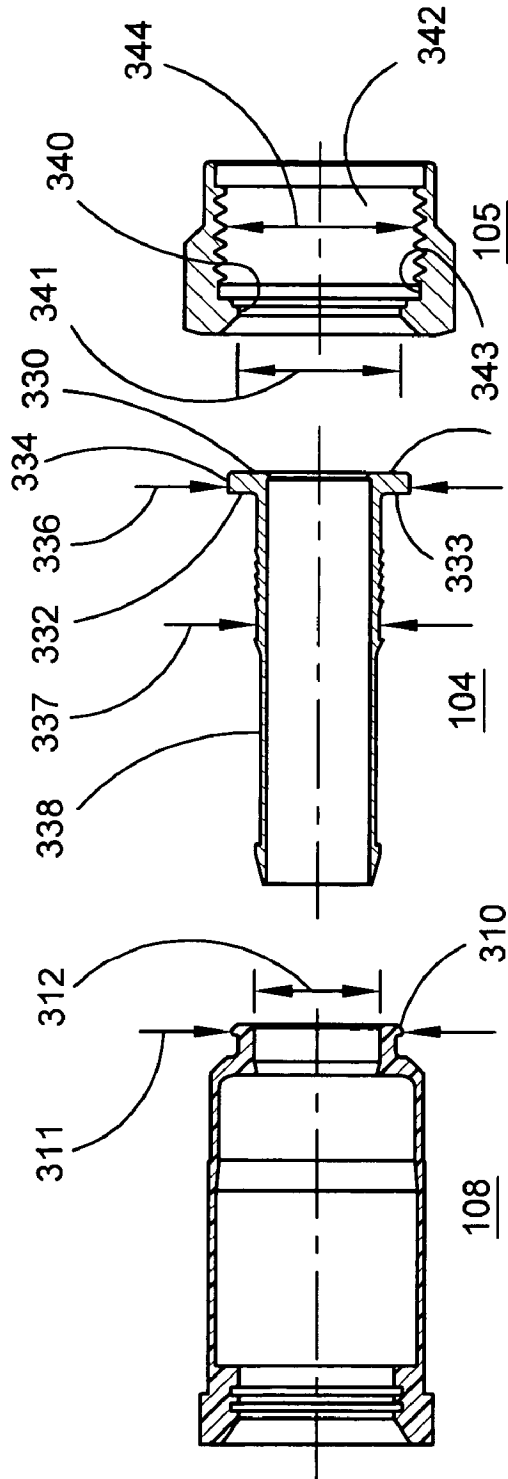


FIG. 3A

FIG. 3B

FIG. 3C

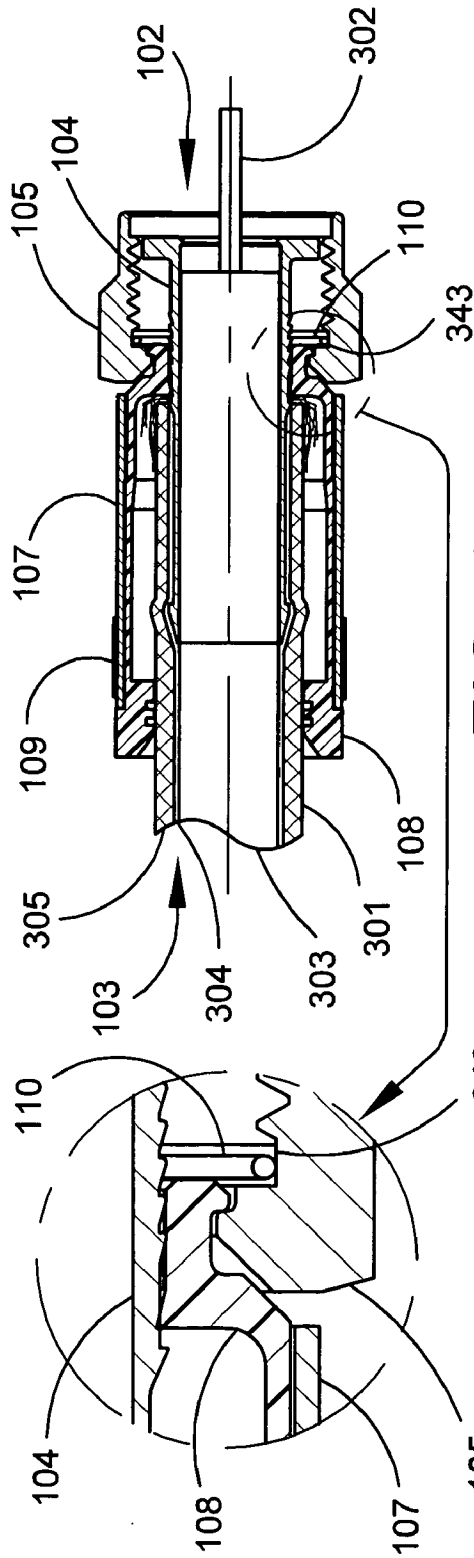


FIG. 4

FIG. 4A

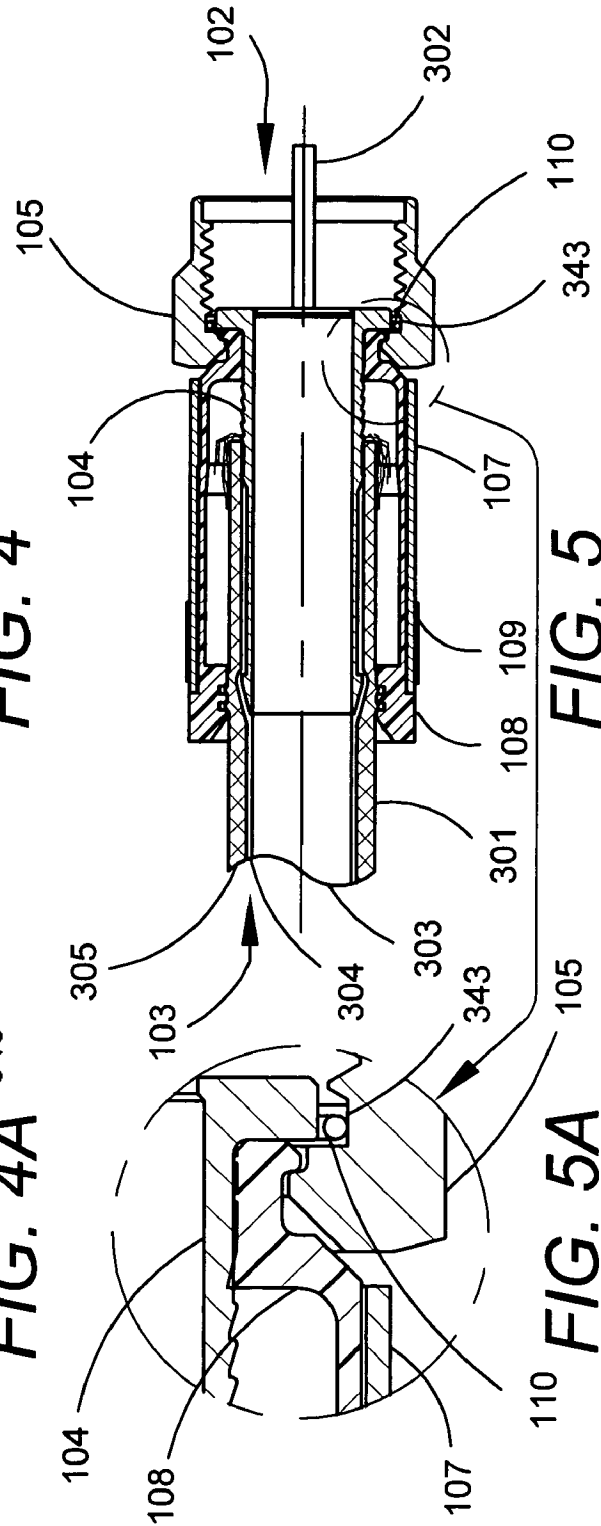


FIG. 5

FIG. 5A

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