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(71) Applicant (for all designated States except US): **HOMAC MFG. COMPANY** [US/US]; 12 Southland Road, Ormond Beach, FL 32174 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JAZOWSKI, Roy, E.** [US/US]; 6051 Sanctuary Garden Boulevard, Port Orange, FL 32128 (US). **CAWOOD, Matthew, D.** [US/US]; 1960 DePaul, Deleone Springs, FL 32130 (US).

(74) Agents: **REGAN, Christopher, F.** et al.; Allen Dyer Doppelt Milbrath & Gilchrist, 255 South Orange Avenue, Orlando, FL 32801 (US).

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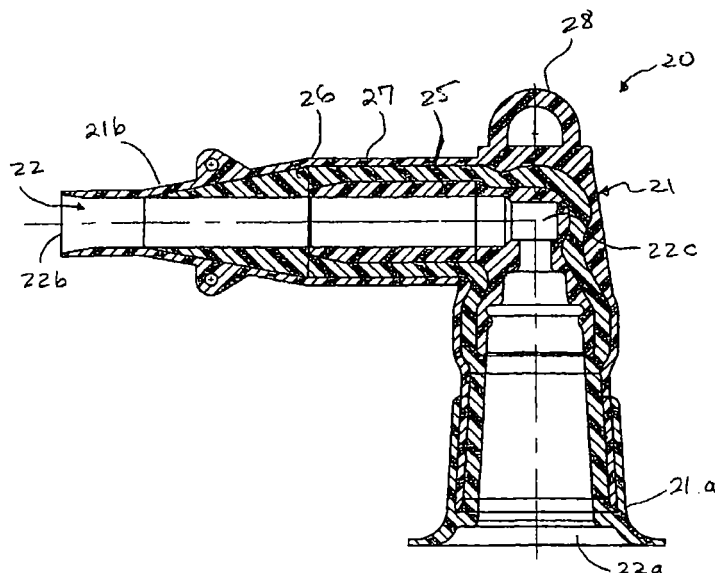
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(54) Title: ELECTRICAL CONNECTOR INCLUDING THERMOPLASTIC ELASTOMER MATERIAL AND ASSOCIATED METHODS



(57) Abstract: An electrical connector may include a connector body having a passageway therethrough. The connector body may include a first layer adjacent the passageway, a second layer surrounding the first layer and comprising an insulative thermoplastic elastomer (TPE) material, and a third layer surrounding the second layer. The third layer preferably has a relatively low resistivity, and may also include a semiconductive TPE material. In some embodiments, the first layer may also include a semiconductive TPE material. The TPE material layers may be overmolded to thereby increase production speed and efficiency thereby lowering production costs. The TPE material may also provide excellent electrical performance and other advantages.

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