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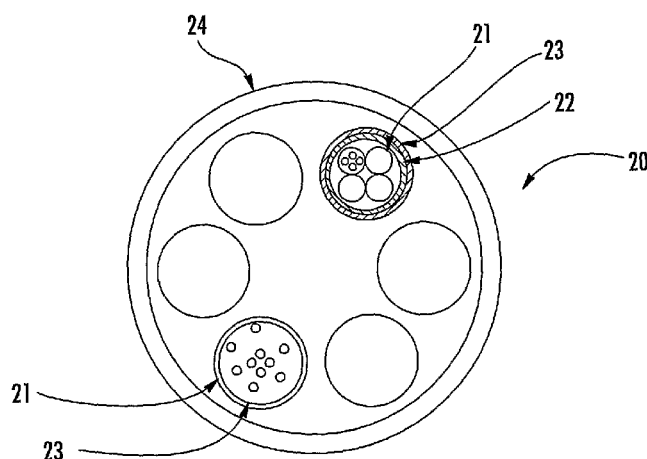
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(54) Title: FLEXIBLE AND LIGHTWEIGHT SEAT-TO-SEAT CABIN CABLE SYSTEM AND METHOD OF MANUFACTURING SAME



(57) Abstract: A seat-to-seat cable system for transmitting data and for power that is flexible and lightweight and a method for manufacturing the same. The cable system includes one or more bundles of conductive wire comprising multiple strands that are individually coated with an insulation layer. The bundles of conductive wire are covered by wire jacketing material and are further covered by a nylon braiding material. The cable is preferably made by coating individual wire strands with an insulating material, and then forming wire strands into wire. A thin insulating material may then be extruded over the bundles of wire strands, which are then twisted and/or shielded into cables forming a subassembly. The group of wires is formed into cables. A thin insulating material may be extruded over the cable subassemblies as a jacketing layer before the cable is cut to the desired length and braided or jacketed.



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