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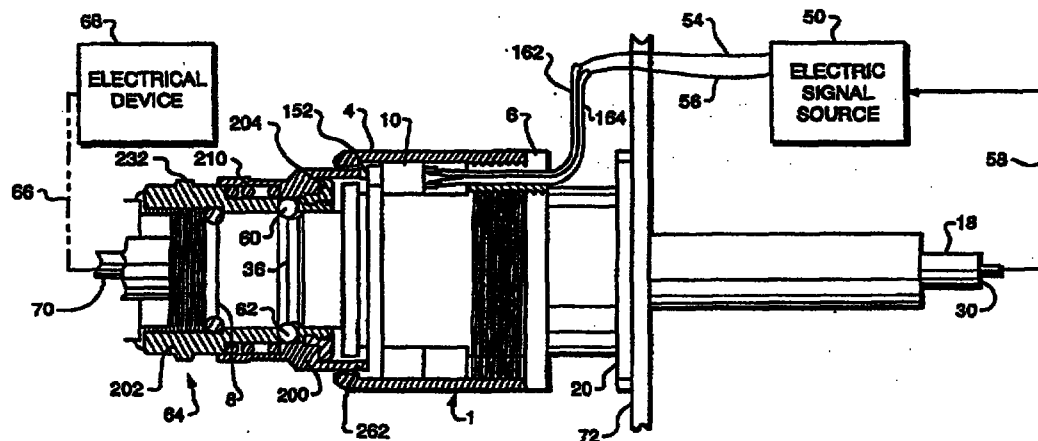
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(54) Title: ELECTRICAL CONNECTOR WITH INTERNAL SWITCH



(57) Abstract

An electrical connector (1) including a body (2) and a switch (10) disposed within a cavity (180) in the body. The body includes a bore (161) therein leading from an exterior surface of the body to the cavity. The bore is adapted to receive conductors (61, 162) connected to leads of the switch (10). The conductors connect the switch leads to an electric circuit for controlling application of an electrical signal to a center conductor (18) of the connector. Upon mating of the connector with a mating connector (64), a switch actuating portion (262) of the mating connector causes the switch (10) to change from an open state, wherein connection of the electrical signal to the center conductor (18) is interrupted, to a closed state, wherein the electrical signal is connected to the center conductors for allowing current flow to the mating connector.