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(57) Abstract :

“SMART CABLE CONNECTING DEVICE” The smart cable connecting device includes a sensing unit for wirelessly communicating a sensed condition away from the device and wirelessly receiving a signal, a socket including a socket body having at least one internal cavity therein, an electrically conductive contact terminal disposed within the cavity for establishing an electrical connection between the electrical power supply wiring and the socket, a memory storing instructions executable by the controller, a controller configured to connect with signal receiving device, electrification display and lightning protection circuit, described controller is also connected with the image capture device gathering electrification display duty, a releasable latch carried on the combination of the plug and the socket for releasably mounting the fixture on the support and a communication module configured to transmit a control signal over a control channel that runs from a connector port on a patch panel of the local area network to an integrated circuit chip mounted on the end device through at least a communications cable. Dated this 17th day of October, 2022
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