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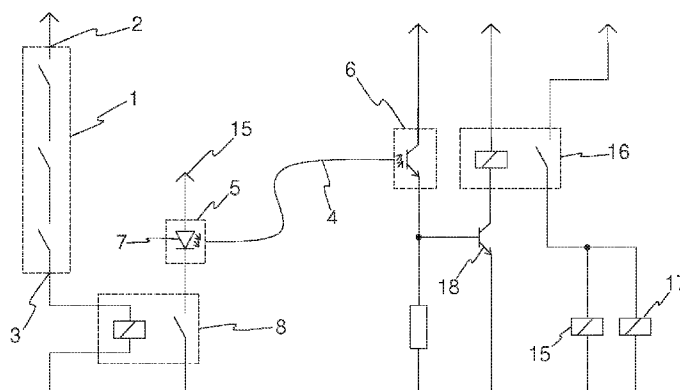


Fig. 1

(57) **Abstract:** The safety circuit according to the invention comprises a safety switch or a series circuit of safety switches (1), which comprises an input (2) for an electrical safety circuit signal as well as an output (3), in which the electrical safety circuit signal being supplied to the input (2) is present when all the safety switches (1) are closed. The safety circuit also comprises a cable (4) comprising an optical fiber as well as a transmitter circuit (5) for the optical signal, the output of which circuit is connected to the cable comprising an optical fiber. The input of the transmitter circuit (5) is connected to the output (3) of the aforementioned safety switch or of the series circuit of safety switches, and the transmitter circuit (5) is configured to transmit in the optical fiber of the cable (4) the safety circuit signal that is present in the output (3) of the safety switch or of the series circuit of safety switches.