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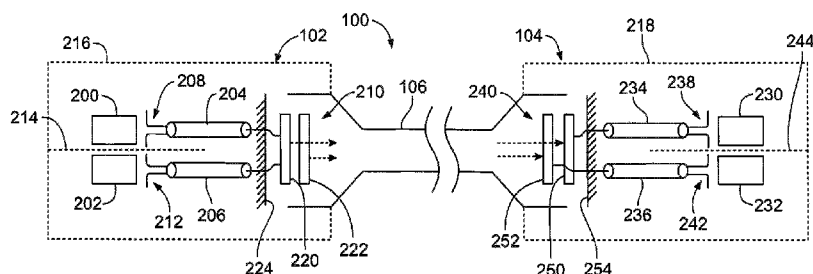


FIG. 5

(57) Abstract: A contactless connector (100) includes a transmitter (102) having a first transmit integrated circuit (200) generating a first signal and a second transmit integrated circuit (202) generating a second signal. A first pick-up antenna (208) is adjacent the first transmit integrated circuit and conveys the first signal along a first transmission line (204) to a first propagation antenna (220). A second pick-up antenna (212) is adjacent the second transmit integrated circuit and conveys the second signal along a second transmission line (206) to a second propagation antenna (222). The first and second propagation antennas transmit the first and second signals to a propagation path (106) at different and separable polarizations to allow duplex communication with the propagation path.