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(54) Title: SYSTEMS AND METHODS FOR SWITCHING

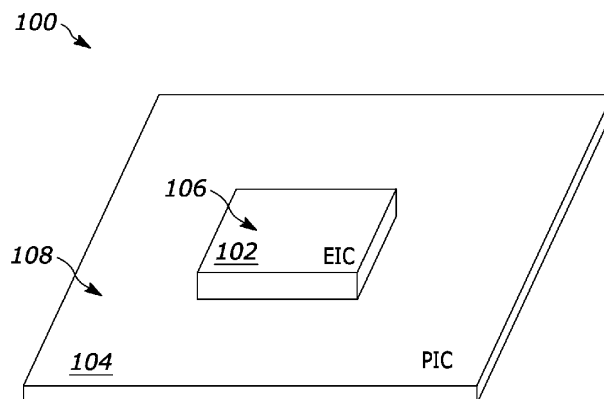


FIG. 1A

(57) Abstract: Systems and method for switching are disclosed. In an example, a switching system includes a photonic integrated circuit (PIC) having optical ports, an electric integrated circuit (EIC) stacked on the PIC and having switching circuitry, and photonic transceivers optically coupled to the optical ports of the PIC and electrically coupled to the switching circuitry of the EIC, and the switching circuitry is configured to transfer digital signals, which are generated from optical signals received at a first photonic transceiver of the photonic transceivers, to a second photonic transceiver of the photonic transceivers based on information in the digital signals, wherein the first photonic transceiver is optically coupled to a first optical port of the PIC and the second photonic transceiver is optically coupled to a second optical port of the PIC.

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