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(54) Title: A SWITCH DEVICE FACILITATING FREQUENCY SHIFT OF A RESONATOR IN A QUANTUM DEVICE

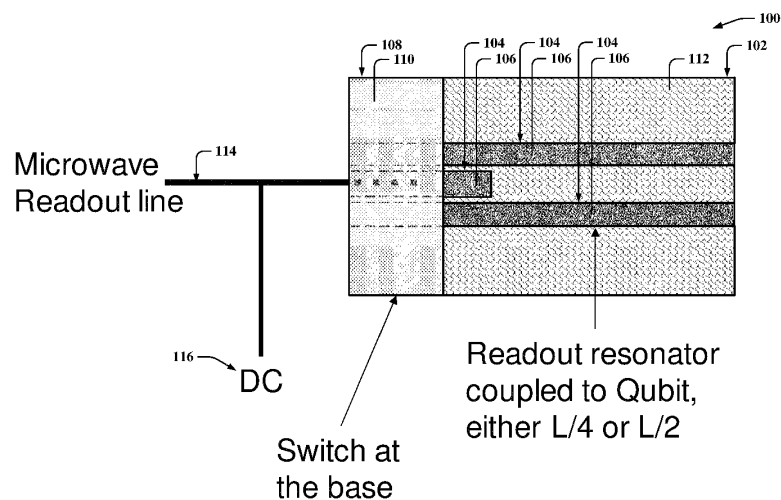


FIG. 1

(57) Abstract: Devices, systems, methods, computer-implemented methods, apparatus, and/or computer program products that can facilitate a switch device that shifts frequency of a resonator in a quantum device are provided. According to an embodiment, a device (102) comprises a readout resonator (104) coupled to a qubit. The device can further comprise a switch device (108) formed across the readout resonator that shifts frequency of the readout resonator based on position of the switch device. According to another embodiment, a device comprises a bus resonator coupled to a plurality of qubits. The device can further comprise a switch device formed across the bus resonator that shifts frequency of the bus resonator based on position of the switch device.

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