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(54) Title: QUANTUM COMPUTING ARRAY

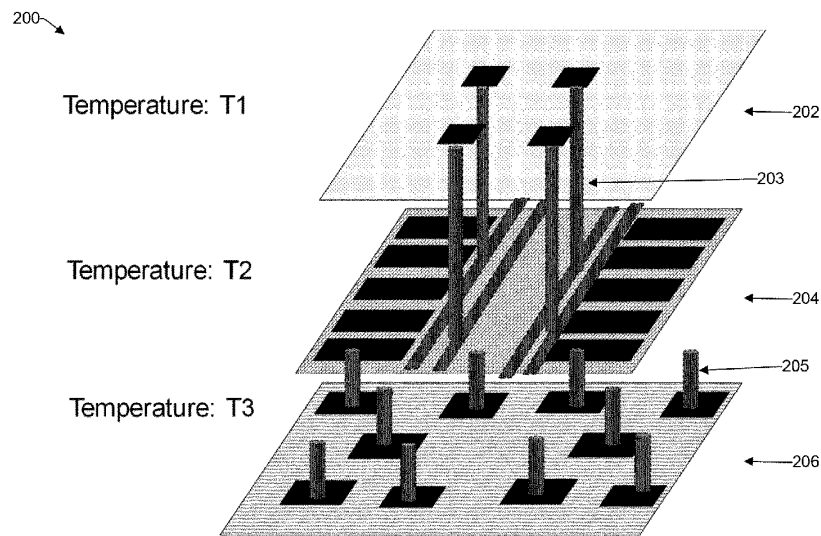


FIG. 2

(57) Abstract: A quantum processing system includes a first set of control electronics operating at a first temperature. A second set of control electronics is communicatively coupled to the first set of control electronics and operating at a second controlled temperature that is lower than the first temperature. The second set of control electronics includes one or more circuits configured to perform a write and a read operation to one or more qubits. There is a qubit array that includes the one or more qubits and operating at a third controlled temperature that is lower than the second temperature. The qubit array is controlled by the second set of control electronics.

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