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(54) Title: AIR GAP-BASED NETWORK ISOLATION DEVICE CIRCUIT BOARD

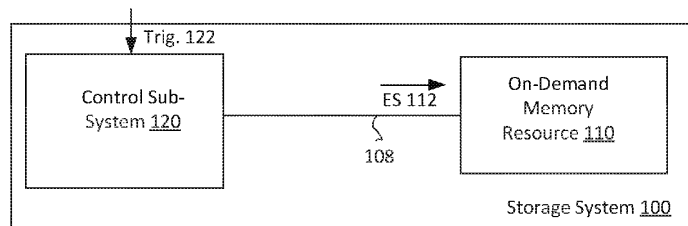


FIG. 1

(57) Abstract: A circuit board for an air-gap-based, network isolation device includes a set of connection port elements, each connection port element in the set of connection port elements being connected to relay array and comprising a plurality of connection ports. Each of the connection port elements comprises a network connection port configured to connect the circuit board to a network link. The circuit board further includes a controller connected to each relay array, and a communications module comprising a set of communication receivers connected to the controller. The communications module receives commands from a master computer, external to the circuit board, to close each relay array connected to each of the set of connection port elements.

[Continued on next page]



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