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(54) Title: TRANSPOSE BOX BASED NETWORK SCALING

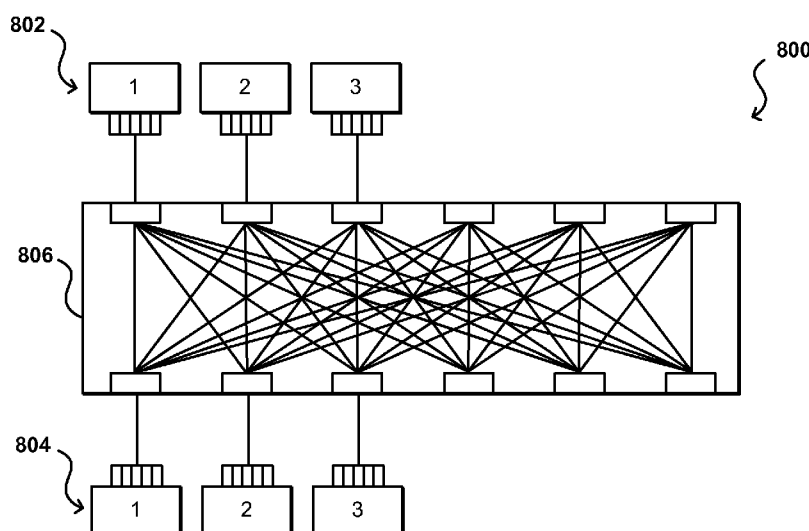


FIG. 8(a)

(57) Abstract: The deployment and scaling of a network of electronic devices can be improved by utilizing one or more network transpose boxes. Each transpose box can include a number of connectors and a meshing useful for implementing a specific network topology. When connecting devices of different tiers in the network, each device need only be connected to at least one of the connectors on the transpose box. The meshing of the transpose box can cause each device to be connected to any or all of the devices in the other tier as dictated by the network topology. When changing network topologies or scaling the network, additional devices can be added to available connectors on an existing transpose box, or new or additional transpose boxes can be deployed in order to handle the change with minimal cabling effort.





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