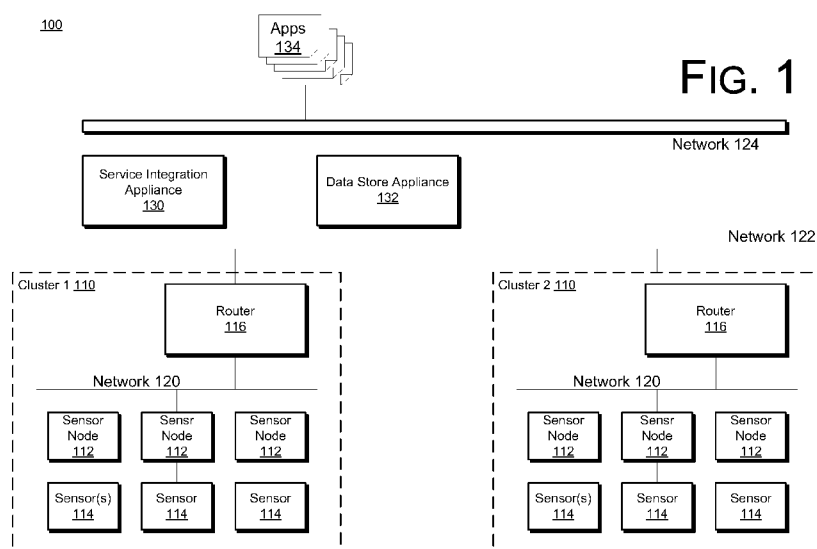




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(54) **Title:** RECONFIGURABLE NETWORK-ENABLED PLUG-AND-PLAY MULTI-FUNCTIONAL PROCESSING AND SENSING NODE



(57) **Abstract:** In one embodiment, a data acquisition device comprises a plurality of sensors to detect an environmental condition, a configurable processor coupled to the plurality of sensors, wherein the configurable processor is configured to receive one or more signals from the plurality of sensors, process the one or more signals to generate environmental data representative of the environmental condition, wherein the environmental data is, and a first input/output module to transmit the data to a remote device. Other embodiments may be disclosed.

