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(54) **Title:** FLEXIBLE WIRELESS INTERCONNECTION AND BOARD DIVERSITY

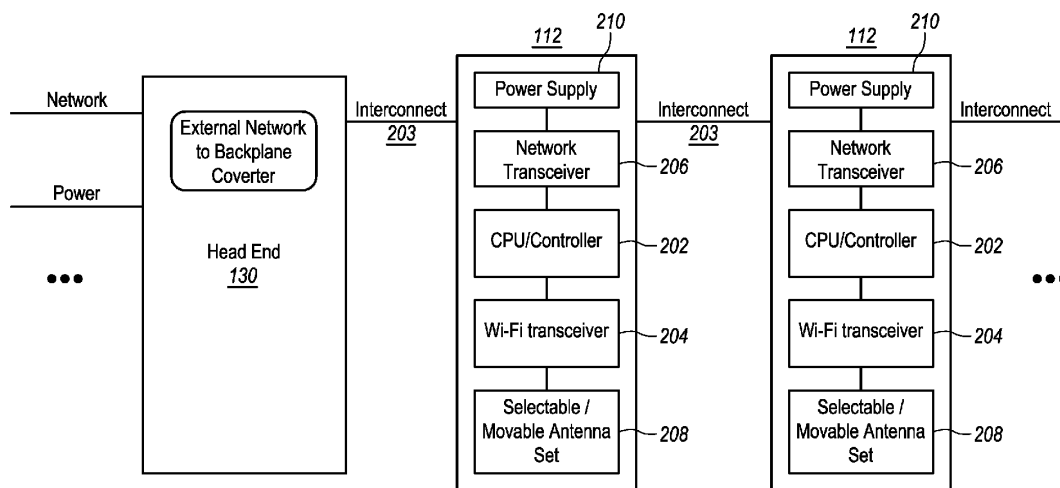


FIG. 2

(57) **Abstract:** The present disclosure includes systems and methods for providing access to a wireless network, teaching, among other things, specific manufacturing and configuration techniques. Embodiments include a head-end configured to receive electrical power and communicate with the wireless network. In an embodiment, a plurality of integrated access points each comprise components such as a radio, a power supply, a controller, a network transceiver, and an antenna. The components of each integrated access point, whether or not they are assembled on one or more rigid or flexible cards, may be embedded in a material expanse such as a flexible strip, upon which each set of components may be proximally integrated. In an embodiment, a system includes a unified backplane interconnect coupled to the head-end, the unified backplane interconnect comprising a plurality of interconnects. Each integrated access point may comprise a single radio, or more than one radio. The foregoing are nonlimiting examples.

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