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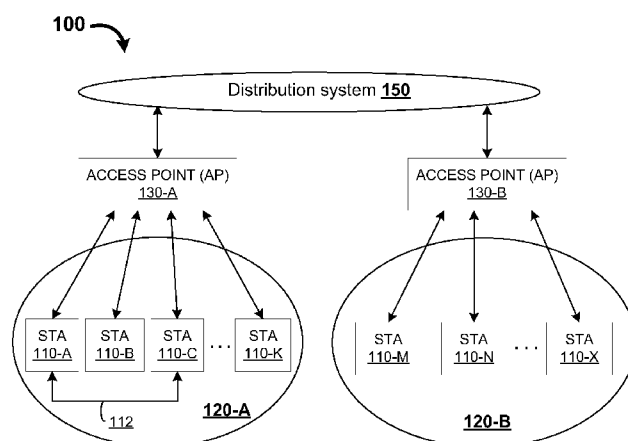


FIG. 1

(57) Abstract: A tunneled direct link set-up (TDLS) capable wireless network may comprise a router such as an access point (AP) and a plurality of stations (STA) including service consumer and service provider station. A service consumer station may generate and send a layer-2 query frame to the plurality of stations. A service provider station may generate a layer-2 service frame in response to receiving the layer-2 query frame. The service consumer station may discover the service provider station and the services offered by the service provider station based on the layer-2 service frame. Also, the service consumer may discover the service provider station using layer-2 query frame and may discover the services offered by the service provider station using higher layer service discovery procedure.

