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(54) Title: SYSTEMS AND METHODS FOR SOFTWARE CONFIGURABLE AIR INTERFACE ADAPTATION

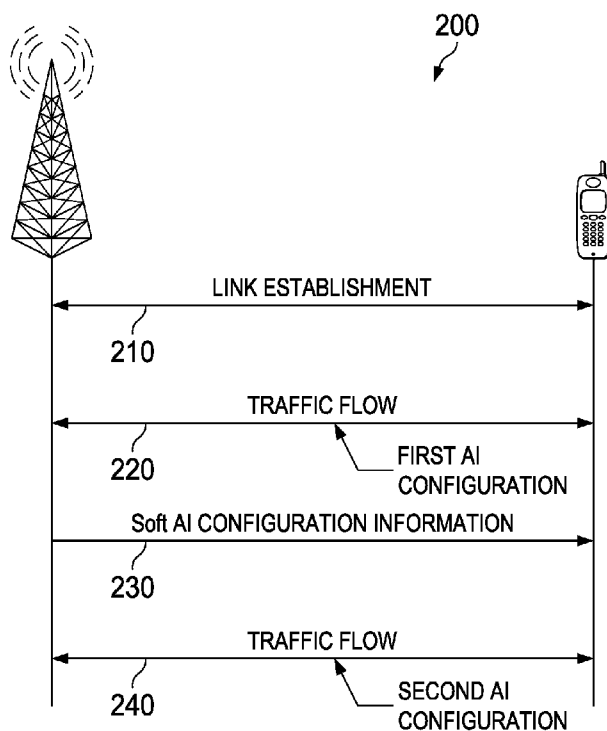


FIG. 2A

(57) Abstract: A base station may update a SoftAI profile to obtain an updated SoftAI profile specifying a new air interface configuration that was unknown to the base station prior to updating the SoftAI profile. The base station may receive SoftAI configuration information from a network controller, and update the SoftAI profile based on the SoftAI configuration information. The updated SoftAI profile may define a new combination of physical layer parameters, a new waveform, a new modulation coding scheme (MCS), or any other AI configuration parameter, or collection of AI configuration parameters. The SoftAI configuration information, or a separate network instruction, may also specify one or more conditions for using the new air interface configuration to communicate traffic over a wireless link between the base station and a wireless device.



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