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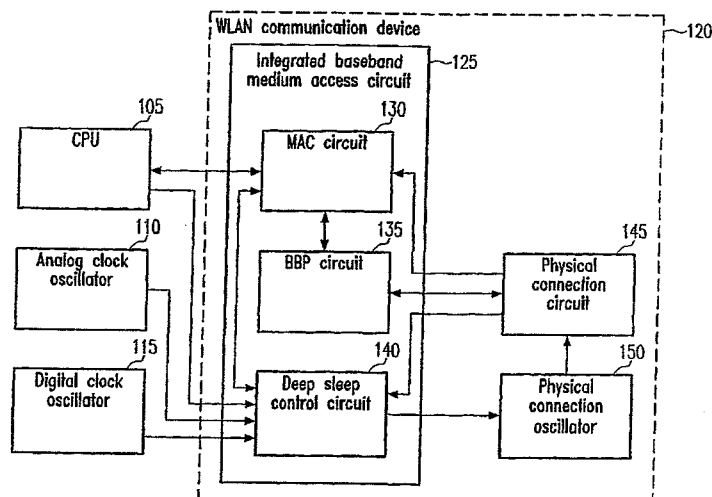
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(54) Title: DEEP SLEEP MODE FOR WLAN COMMUNICATIO SYSTEMS



(57) Abstract: A WLAN (Wireless Local Area Network) communication device (120) for performing communication in a WLAN network is provided that comprises a physical connection unit (145), a physical connection oscillator (150), and a control unit (140). The physical connection unit (145) is for providing a physical connection of the WLAN communication device (120) to a wireless communication medium. The physical connection oscillator (150) is for providing a physical connection clock signal to the physical connection unit (145). The control unit (140) is for controlling operation of the physical connection oscillator (150). The WLAN communication device (120) is operable in a communication mode and in a deep sleep mode. The control unit (140) is adapted to deactivate the physical connection oscillator (150) when the deep sleep mode is entered. Embodiments may provide an extended reduction of the power consumption of the WLAN communication device (120).