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(54) Title: EARLY DETERMINATION OF NETWORK SUPPORT FOR MOBILE IP

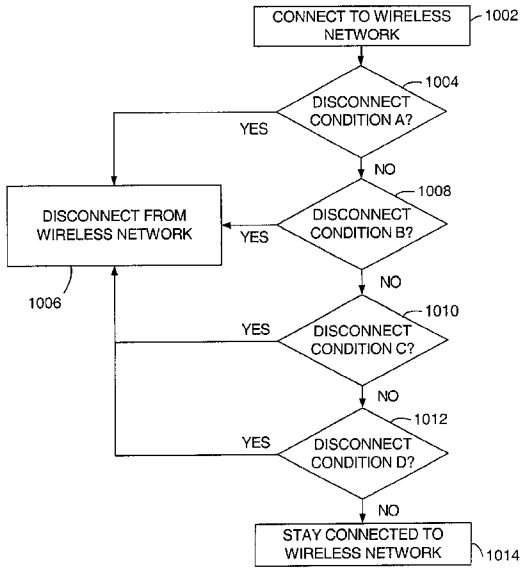
DISCONNECT CONDITIONS:

A: Before or during origination the protocol revision support by the wireless network is less than PREV 6.

B: During LCP negotiation authentication is required by the wireless network.

C: During IPCP negotiation the wireless network sends a config-not-acknowledge comprising an IP address option.

D: During mobile IP registration and before the registration request message is sent, no agent advertisement message is received by the mobile node in response to an agent solicitation message.



(57) Abstract: In a wireless communication system, a method for early determination of network support for Mobile IP is disclosed. A mobile node is in communication with a wireless network. Then a test is performed for a disconnect condition wherein the disconnect condition is an early indication of network non-support for Mobile IP as identified by at least a requirement for authentication. Early indication relates to identification of the non-support for Mobile IP prior to or during network packet connection. If the disconnect condition is found, the mobile node disconnects from the wireless network. If the disconnect condition is not found, the mobile node stays connected to the wireless network.

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