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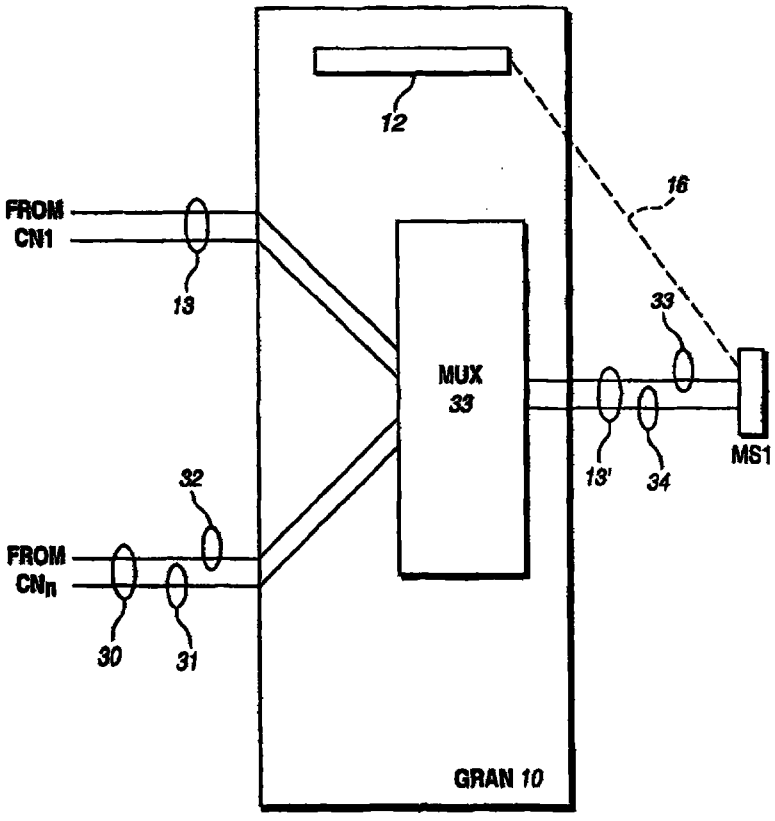
(54) Title: PAGE RESPONSE ON EXISTING RADIO SIGNALING CHANNEL

(57) Abstract

When a mobile terminal in a mobile radio network has a user data connection established to a core network node, and receives a page message on a paging channel from a second core network node to which the terminal has no data connection established, the mobile terminal can send a page response message to the second core network node on the existing signaling channel between the mobile terminal and the radio access network associated with the established data connection to that core network node. The page response then triggers a multiplexing between the mobile terminal and radio access network, of the established connection with the first core network node and the desired call connection (precipitated by the page request) from the second core network node. This way, the mobile station can receive simultaneous calls from two different core network nodes over a common traffic and signaling connection.