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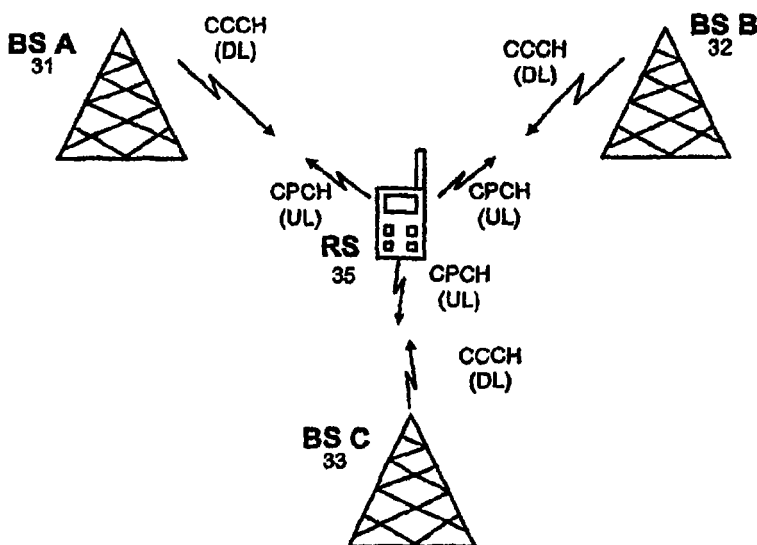


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(54) Title: COMMON PACKET CHANNEL

(57) Abstract

A code-division-multiple access (CDMA) system (fig. 1) having a base station (BS 31, 32 and 33) and a plurality of remote stations (35). The base station has a BS-spread-spectrum transmitter and a BS-spread-spectrum receiver (fig. 3). A remote station has an RS-spread-spectrum transmitter and an RS-spread-spectrum receiver (fig. 4). The BS transmitter transmits a broadcast common synchronization channel, which includes a frame-timing signal. The broadcast common synchronization channel has a common chip-sequence signal, which is common to the plurality of remote stations. In response to the RS-spread-spectrum receiver receiving the broadcast common-synchronization channel, and determining frame timing from the frame-timing signal, an RS-spread-spectrum



**Common Packet Channel System Block Diagram
with a Common Control Downlink Channel**

transmitter transmits an access-burst signal, which RS-power-control signals transmitted in time, at increasing power levels (figures 12-16). The BS-spread-spectrum transmitter, responsive to the BS-spread-spectrum receiver receiving the access-burst signal, and detecting an RS-preamble signal, transmits an acknowledgement signal. In response to the first RS-spread-spectrum receiver receiving the acknowledgement signal, the first RS-spread-spectrum transmitter transmits a spread-spectrum signal having data. The BS-spread-spectrum transmitter transmits either data or power-control information to RS-spread-spectrum receiver.



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