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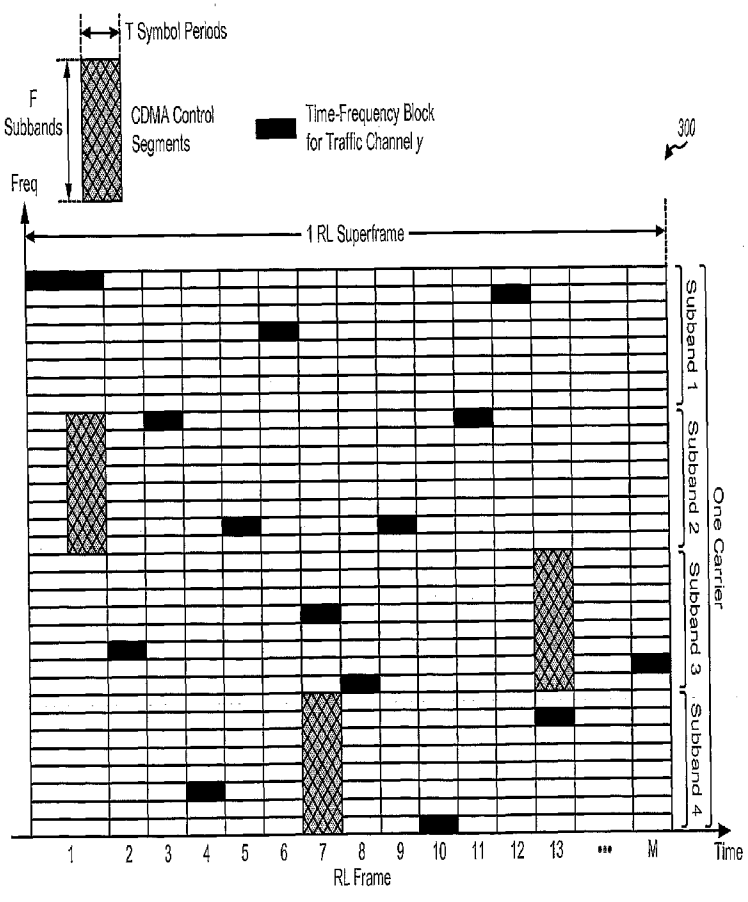
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(54) Title: VARIED SIGNALING CHANNELS FOR A REVERSE LINK IN A WIRELESS COMMUNICATION SYSTEM




(57) Abstract: Signaling is efficiently sent on a configurable CDMA control segment. To send signaling, transmission parameters for the CDMA control segment for a serving sector are determined. These parameter may indicate the CDMA control segment size, the frames in which the CDMA control segment is sent, the signaling channels to be sent on the CDMA control segment, and so on. The enabled CDMA signaling channels for a terminal and the average transmission interval for each enabled CDMA signaling channel are determined. For each frame in which the CDMA control segment is sent, the signaling channels to be sent on the CDMA control segment in that frame are determined. The signaling for each signaling channel is processed (e.g., encoded, channelized, scaled, and scrambled). The processed signaling for all signaling channels is combined and mapped to a time-frequency region used for the CDMA control segment in the frame.

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