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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ALLOCATING RESOURCES OF A CONTROL CHANNEL IN A MOBILE COMMUNICATION SYSTEM USING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING

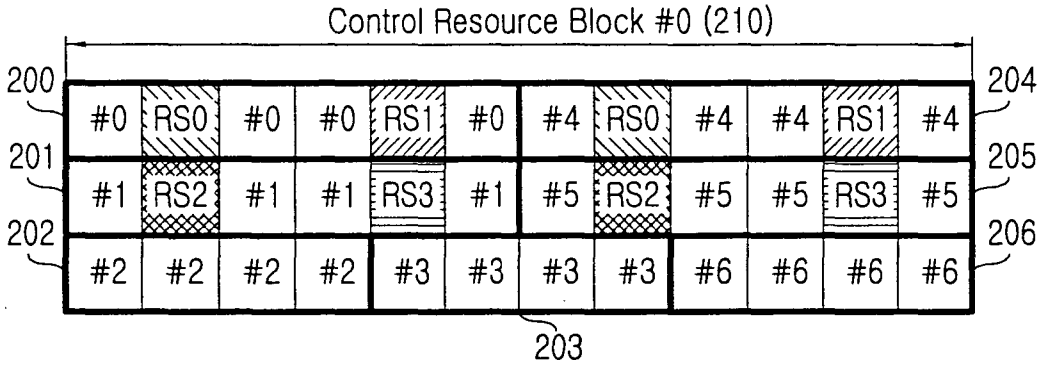


FIG.2

(57) Abstract: ABSTRACT A method is provided for allocating resources of a control channel in a mobile communication system using Orthogonal Frequency Division Multiplexing (OFDM). The method includes, when a time index and a frequency index of available Resource Elements (REs) are defined as l and k, respectively, dividing the available REs in a two-dimensional structure of (k, l); and time-first-allocating each RE to a plurality of RE groups while increasing the time index l for each frequency index k from an initial value up to a predetermined range.

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