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(54) Title: TRANSMISSION AND RECEPTION OF DEDICATED REFERENCE SIGNALS

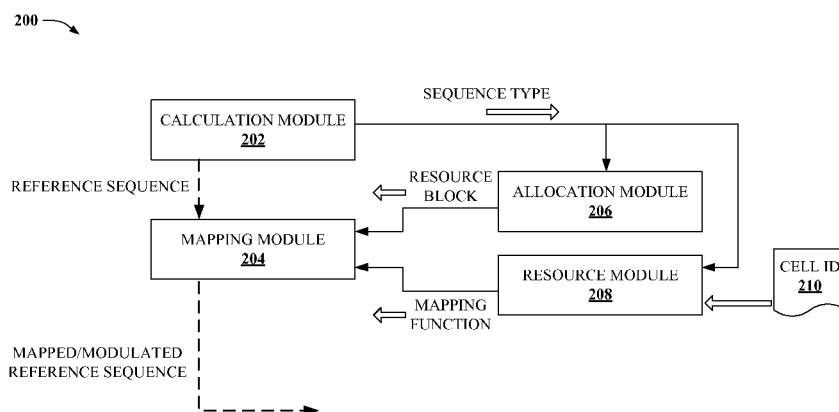


FIG. 2

(57) Abstract: Providing a coding scheme for wireless communication downlink reference signals is described herein. By way of example, a dedicated reference signal is mapped (108) (204) to resources of a wireless channel as a function of an identifier (ID) (112) (210) of a cell in which the reference signal is transmitted. The function can be similar to mapping functions employed for common reference signals, or can be distinct from such functions. As one example of the latter, a dedicated reference signal mapping function can be shifted in time or frequency with respect to the common reference signal mapping function. By employing a mapping function based on cell ID, noise caused by concurrent transmission of reference signals can be mitigated in a manner readily determined by terminals in a wireless network.



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