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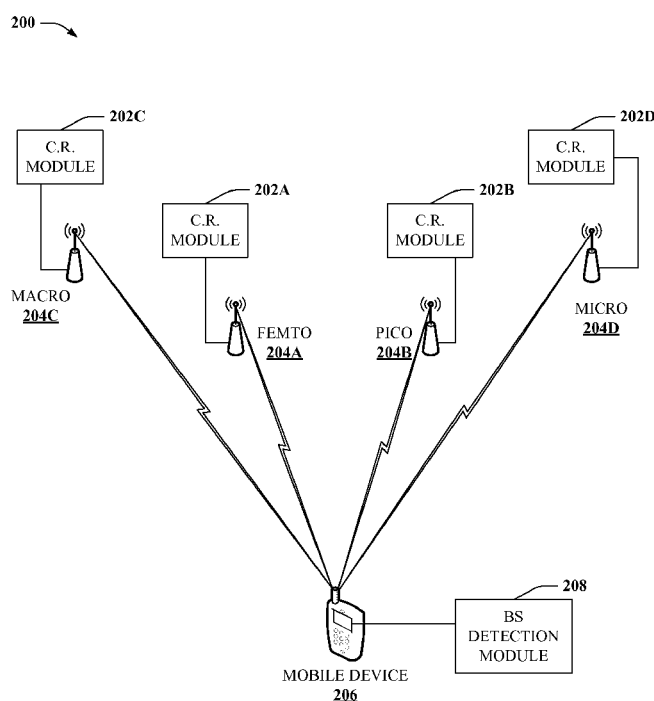
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[Continued on next page]

(54) Title: PREAMBLE DESIGN FOR A WIRELESS SIGNAL

**FIG. 2**

(57) Abstract: Providing for base station (BS) acquisition in semi-planned or unplanned wireless access networks is described herein. By way of example, a signal preamble can be dynamically allocated to wireless signal resources, such that the preamble is scheduled to different resource(s) across different cycles of the signal. Dynamic allocation can be pseudo-random, based on collision feedback, or determined by a suitable algorithm to mitigate collisions from a dominant interferer. In addition, dynamic scheduling can be particular to a type of BS to significantly reduce collisions from BSs of disparate types. In at least one aspect, a preamble resource can be subdivided into multiple frequency sub-carrier tiles. Control channel information can be transmitted on each tile of a group of such tiles, further mitigating effects of a dominant interferer on a subset of the tile group.



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