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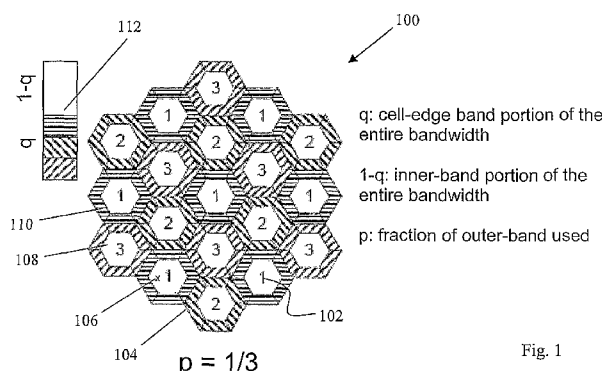


Fig. 1

(57) Abstract: A method for communication (400) comprising partitioning a plurality of user equipment (UE) within a cell of a base station (BS) into a cell-edge user group or a cell-interior user group (402), determining a bandwidth allocation for the cell-edge user group that is orthogonal with cell-edge user groups of one or more neighbouring base stations, determining a frequency allocation for each UE in the cell-edge user group that is orthogonal with cell-edge user groups of one or more neighbouring base stations, determining a minimum transmit power for the cell-edge user group based on the bandwidth allocation and frequency allocation for the cell-edge user group and a predetermined minimum target rate (404), determining a transmit power for each UE in the cell-interior user group based on the determined transmit power for the cell-edge user group, and determining a frequency allocation for each UE of the cell-interior user group based on the determined transmit power for the cell-edge group and a weighting factor (408).