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(54) Title: ANTENNA ARRAY WITH INDEPENDENTLY ROTATED RADIATING ELEMENTS

(57) Abstract: An antenna array that can include a plurality of antenna cells positioned in a global coordinate system of the antenna array. Each of the plurality of antenna cells has a respective local coordinate system and can include a radiating element having a predetermined angle of rotation defined in the global coordinate system and an antenna port coupled to the radiating element, the antenna port being positioned at a particular set of coordinates in the respective local coordinate system. The particular set of coordinates of the antenna port of each of the plurality of antenna cells can be the same.

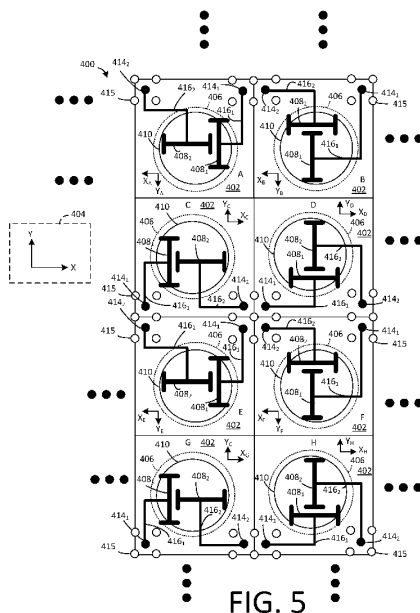


FIG. 5

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