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(54) Title: MILLIMETER WAVE PHASED ARRAY

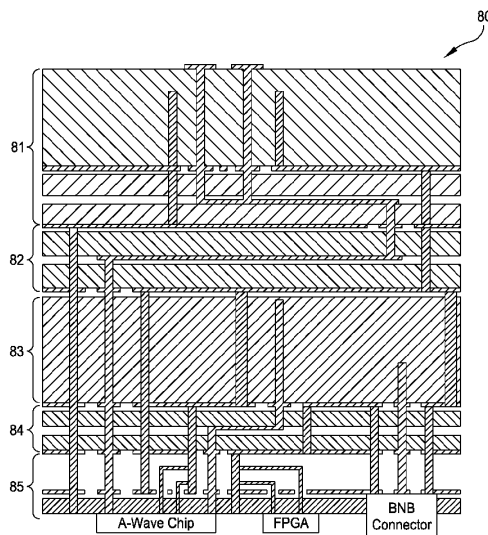


FIG. 8

(57) Abstract: A wave phased array is manufactured using additive manufacturing technology (AMT). The wave phased array includes a radiator, a radiator dilation layer supporting the radiator, a beamformer supporting the radiator dilation layer, a beamformer dilation layer supporting the beamformer, and a substrate support layer supporting the beamformer dilation layer. At least one of the radiator, the radiator dilation layer, the beamformer, the beamformer dilation layer and the substrate support layer is fabricated at least in part by an AMT process.

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