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- (54) **Title:** METASTRUCTURES INCLUDING META-ATOMS HAVING OUTWARDLY SLOPING SIDEWALLS

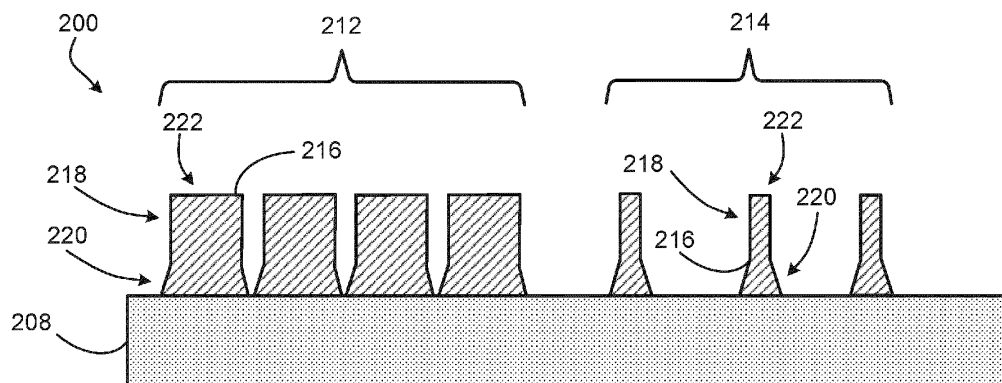


FIG. 2

- (57) **Abstract:** The present disclosure describes metastructure optical elements (MOEs), methods for manufacturing the MOEs, and devices incorporating the MOEs. The MOEs include meta-atoms that have outwardly sloping sidewalls. A meta-atom can have sidewalls that are substantially vertical along an upper section of the meta-atoms, and that slope outwardly along a lower section of the meta-atom.