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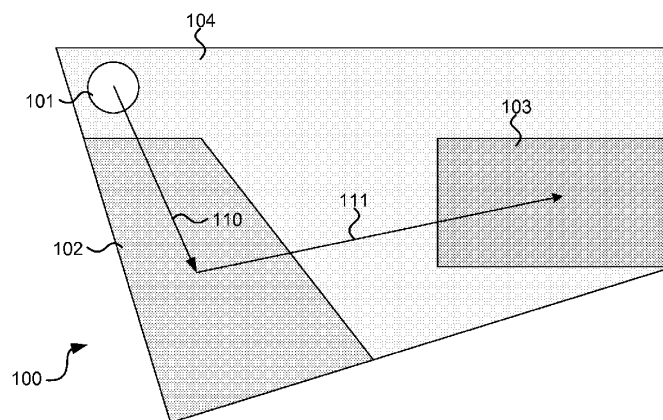


FIG. 1

(57) Abstract: According to an embodiment, a display component (100) comprises a waveguide (104), an in-coupling structure (101) configured to couple a set of input beams (901) into the waveguide (104) as a first set of in-coupled beams (110) associated with a first set of in-coupled k vectors (204_1) lying in a first domain (205_1) in k-space; an exit pupil expansion structure (102) comprising a hexagonal diffractive grating and configured to diffract the first set of in-coupled-beams (110) in a first plurality of directions (206) in k-space to form three sets of guided beams associated with three sets of k vectors (204_1, 204_2, 204_3) lying in a first set of three domains (205_1, 205_2, 205_3); an out-coupling structure (103) configured to receive a first diffracted set of beams (111) associated with a diffracted set of k-vectors lying in at least one of the domains in the first set of three domains (205_1, 205_2, 205_3), and to out-couple the first diffracted set of beams (111) from the waveguide (104).

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