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(54) **Title:** DIE OUTLINE DESIGN STRATEGY FOR AUGMENTED REALITY LIGHTGUIDE COMBINERS

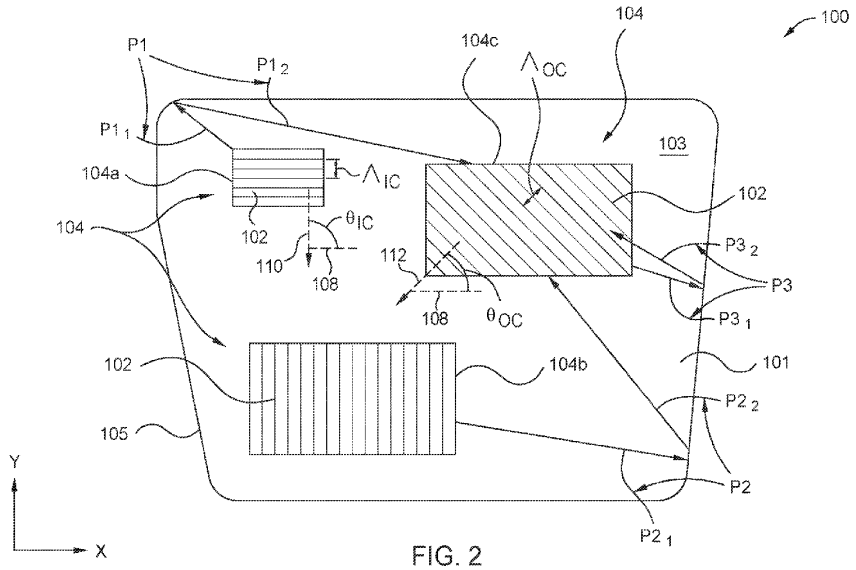


FIG. 2

(57) **Abstract:** A waveguide includes a waveguide substrate, the waveguide substrate having a first surface and a second surface opposing the first surface, the first and second surfaces are connected by an edge. The edge has a portion that is curved or angled with an angle of curvature or a re-direction angle, respectively, and an in¬ coupler grating disposed over the first surface or the second surface. The in-coupler grating is operable to diffract in-coupled light on a first incident path to the portion of the edge that is curved or angled. The portion of the edge that is curved or angled absorbs a first portion of the in-coupled light and directs a second portion of in¬ coupled light to prevent the second portion of in-coupled light from out-coupling to the field of view of the user.

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