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(54) Title: MIRROR FOLDED ILLUMINATION FOR COMPACT OPTICAL METROLOGY SYSTEM

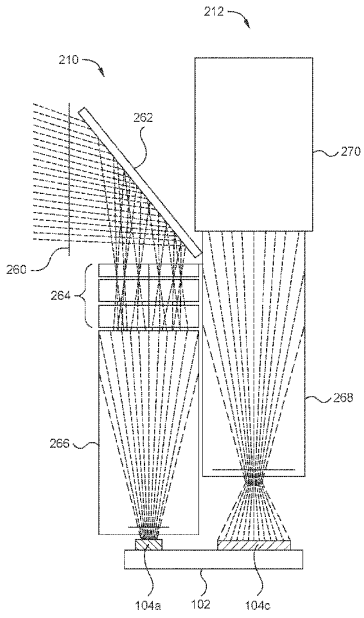

FIG. 3

(57) Abstract: Embodiments of the present disclosure generally relate to metrology systems and metrology methods to measure waveguides for image quality standards. In at least one embodiment, an optical device metrology system includes a stage, a body, and a light engine positioned within the body and mounted above the stage. The light engine includes, a light source, a fold mirror angled relative to the light source, the fold mirror is configured to turn a light beam toward the stage, one or more lenses or arrays positioned between the fold mirror and the stage, and a projection lens positioned between the one or more lenses or arrays and the stage. The system further includes, a first detector positioned within the body and mounted above the stage adjacent to the light engine configured to receive the projected light beam projected upwardly from the stage.

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