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(54) Title: SURROUND VIEWING USING A FISHEYE LENS AND ONE OR MORE WEDGE PRISMS

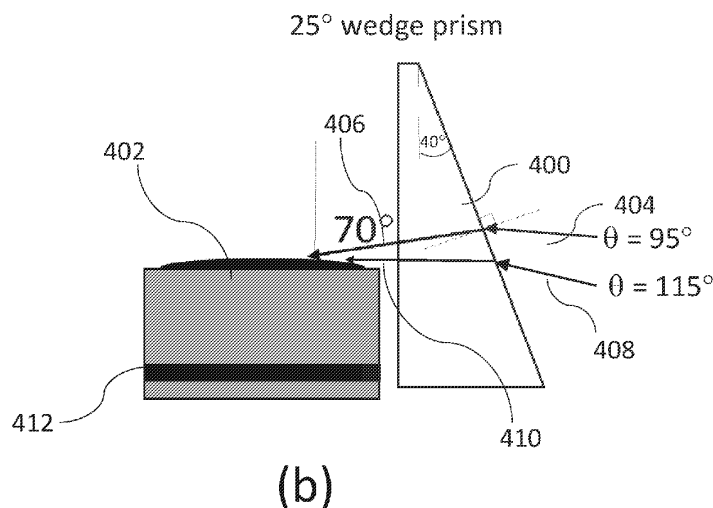


Figure 4

(57) Abstract: An optical device and a method of extending a field of view of an optical device comprising a 5 fisheye lens configured to provide a substantially 360° azimuthal angle view with a forward direction at 0° radial angle and with a maximum radial angle θ_m , and a sensor configured to record an image through the fisheye lens. The method comprises the step of disposing one or more wedge prisms adjacent the fisheye lens, wherein each of the one or more prisms is configured such that a ray incident at more than θ_m radial angle is deflected to be captured through the fisheye lens onto the sensor.

[Continued on next page]

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