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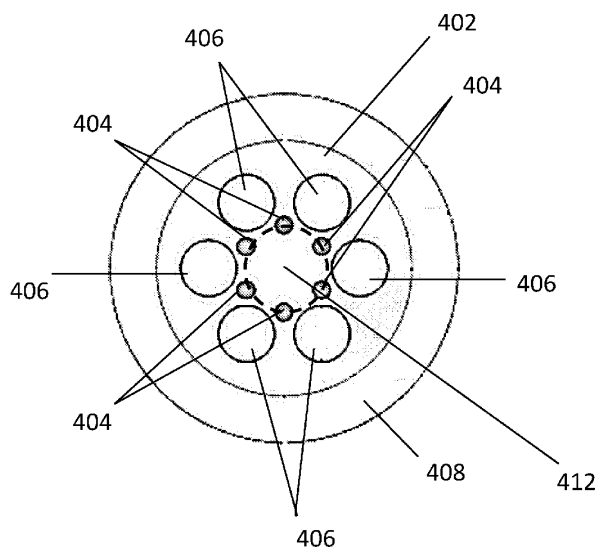
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(54) Title: OPTICAL FIBER AND METHOD OF FORMING THE SAME

**FIG. 4**



(57) Abstract: Various embodiments may provide an optical fiber. The optical fiber may include a medium having a first refractive index. The optical fiber may also include a first plurality of optical elements included in the medium, the first plurality of optical elements extending along a longitudinal length of the optical fiber, the first plurality of optical elements being solid rods having a second refractive index lower than the first refractive index. The optical fiber may further include a second plurality of optical elements included in the medium, the second plurality of optical elements extending along the longitudinal length of the optical fiber, the second plurality of optical elements being ring-shaped elements having a third refractive index higher than the first refractive index.

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