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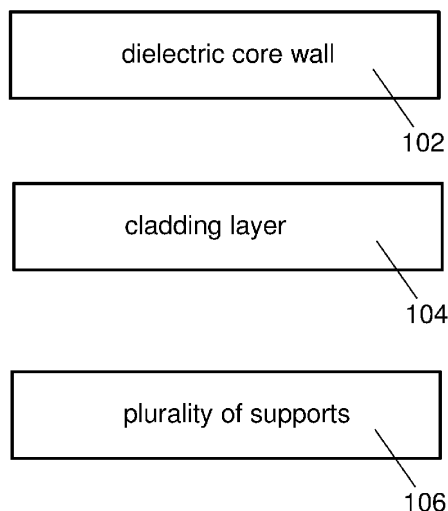
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- (54) **Title:** OPTICAL FIBER FOR SENSING AN ANALYTE, METHODS OF FORMING AND USING THE SAME

FIG. 1



(57) **Abstract:** Various embodiments may provide an optical fiber for sensing an analyte. The optical fiber may include a dielectric core wall defining a hollow space. The optical fiber may also include a cladding layer surrounding the dielectric core wall and spaced apart from the dielectric core wall. The optical fiber may further include a plurality of supports extending from the cladding layer to the dielectric core wall. A thickness of the dielectric core wall may be greater than a thickness of each of the plurality of supports. The dielectric core wall may be configured to carry an optical light for sensing the analyte.

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