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(54) Title: OPTICAL FIBER, LIGHTING APPARATUS HAVING THE SAME, AND METHOD FOR FORMING THE SAME

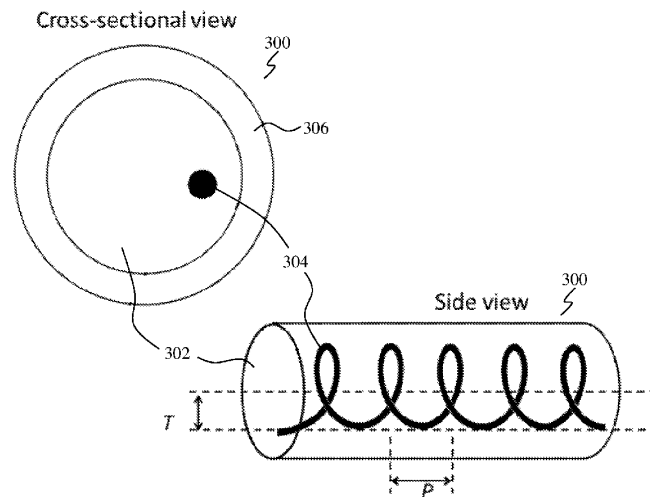


FIG. 3A

(57) Abstract: According to embodiments of the present invention, an optical fiber is provided. The optical fiber includes a core region having a scattering structure defined therein, the scattering structure being twisted about a longitudinal axis of the core region, wherein the scattering structure is configured to scatter light propagating in the optical fiber out of the optical fiber. According to further embodiments of the present invention, a lighting apparatus having the optical fiber and a method for forming the optical fiber are also provided.

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