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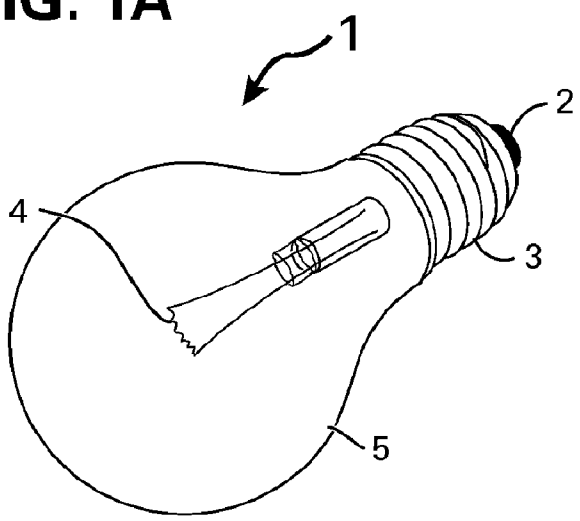
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(54) Title: METHOD AND APPARATUS FOR PROPAGATING OPTICAL SIGNALS ALONG WITH POWER FEED TO ILLUMINATORS AND ELECTRICAL APPLIANCES

(57) Abstract: In a method and apparatus for propagating optical signals via optical cables such as plastic optical fiber, known as lightguide joint and mingled with the electrical wiring and home automation system for controlling LED illuminators enclosed in standard screw type bulb bases or plug- in bases, such as used for halogen lamp via optical signal propagated through such standard bases. Same optical signals are propagated through power outlets and via power cable assemblies to electrical appliances for controlling the appliances operation and on-off switching. Full range of control, distribution, signal conversion, keypads and touch screen including video interphones monitors and shopping terminals operate and controls such home automation via the optical cables.

FIG. 1A



WO 2011/115690 A1

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