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(54) Title: MODULAR CORE, SELF-POWERED POWERLINE SENSOR

(57) Abstract

A modular core, self-powered powerline sensor (10) includes a plurality of modular core elements (18, 20, 22) for disposing about an a.c. powerline (12); a winding layer to be energized by the a.c. powerline, including a plurality of interconnected windings (24, 26, 28) disposed about each modular core element (18, 20, 22), one or more sensors (36) for sensing a condition in or about the a.c. powerline (12); and a controller (106), powered by the windings (24, 26, 28) and responsive to the sensors (36), for receiving a signal indicative of the condition sensed.

