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(71) Applicant *(for all designated States except US)*: **LUTRON ELECTRONICS CO., INC.** [US/US]; 7200 Suter Road, Coopersburg, PA 18036 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **NEWMAN, Robert, C., Jr.** [US/US]; 2955 Main Road East, Emmaus, PA 18049 (US).

(74) Agents: **WEINER, Samuel, H.** et al.; OSTROLENK, FABER, GERB & SOFFEN LLP, 1180 Avenue Of The Americas, New York, NY 10036 (US).

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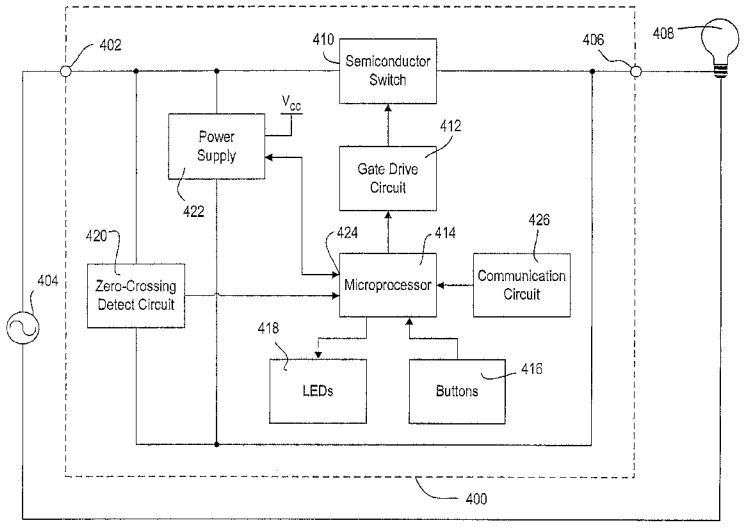
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(54) Title: DIMMER HAVING A MICROPROCESSOR-CONTROLLED POWER SUPPLY



(57) Abstract: A power supply for a two-wire load control device supplies power to a microprocessor, in turn controlling the power supply which comprises an energy storage element, e.g., a capacitor, for producing a DC voltage for powering the microprocessor and also includes a high impedance circuit for allowing the energy storage element to receive energy at a first rate before the DC voltage is produced and the microprocessor is powered. The power supply further comprises a low-impedance circuit, i.e., a resistor in series electrical connection with a controllably conductive device, for allowing the energy storage element to receive energy at a second rate greater than the first rate. After starting up, the microprocessor selectively enables and disables the second energy-receiving circuit by rendering the controllably conductive device conductive and non-conductive, respectively. The microprocessor monitors the power supply and to control the amount of power delivered to an electrical load.

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