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(54) Title: DIMMER ARRANGEMENT

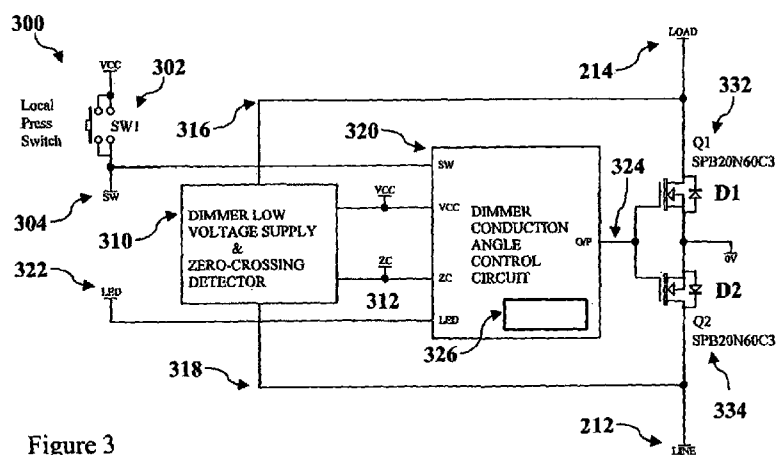


Figure 3

(S7) Abstract: A phase controlled dimming system for enabling multi-way control (switching) and indication of dimming level via use of LED indicators in a two-wire phase dimmer for lighting, fans or other applications is provided. This is achieved through the use of a single interconnection wire between the dimmer and remote dimming switches which is used for both power control and bi-directional signaling. Both the dimmer and remote dimming switches have switches for controlling the dimmer level. Remote dimmers are powered via a current pulse non-conduction period. The current pulse has a switch operation portion and a dimming indication portion. Users can change dimming level at either of the dimmer or remote location whereby a short change in an interrupt pulse is generated to allow the change to be detected and acted upon by the dimmer circuit whilst also providing visual dimming level indication to the users.