

Title (en)

A METHOD OF CONTROLLING AN ELECTRONIC SWITCH AND AN ELECTRONIC SWITCH

Title (de)

EIN VERFAHREN ZUR STEUERUNG VON EINEM ELEKTRONISCHEN SCHALTER UND EIN ELEKTRONISCHER SCHALTER

Title (fr)

PROCEDE POUR COMMANDER UN COMMUTATEUR ELECTRONIQUE ET COMMUTATEUR ELECTRONIQUE

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Application

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Abstract (en)

[origin: WO9413000A1] The present invention relates to a method of controlling an electronic switch and an electronic switch for carrying out the method. The electronic switch comprises an electromagnetic relay (1) and a controllable bidirectional semi-conductor switch (2), such as a triac, connected parallel with the switch (1b) of the relay and a control unit (3) for controlling the relay and the semi-conductor switch so that when connecting the load to a power source the semi-conductor switch is first turned on at the zero point of the AC voltage, subsequent to which and after a delay the switch of the relay is turned on, and when disconnecting the load from the power source, the switch of the relay is first turned off, subsequent to which and after a delay the semi-conductor switch is turned off at the zero point of the alternating current. According to the invention the control unit (3) also comprises means for turning off the semi-conductor switch (2) subsequent to turning on the switch (1b) of the relay (1) when connecting the load to a power source, and for turning on the semi-conductor switch (2) prior to turning off the switch (1b) of the relay (1) when disconnecting the load from the power source.

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