

Title (en)
Electronic control system for photovoltaic modules

Title (de)
Elektronisches Steuersystem für Solarmodul

Title (fr)
Système de controle electronique pour module photovoltaïque

Publication
EP 2336992 A2 20110622 (EN)

Application
EP 10013842 A 20101020

Priority
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Abstract (en)
The present invention relates to an electronic control system (PCS) for photovoltaic modules, comprising a control programmable device (CL), capable to generate an alarm signal, and a transmitter (RF) apt to transmit such alarm signal outside. The electronic control system (PCS) comprises a detector capable to detect an event such as a damaging or a theft in progress, a bistable memory element (FF), capable to change its logic level from low to high depending on the state of the detector; an energy source (EA), operatively connected to the memory element (FF) in such a way that the bistable memory element (FF) is electrically powered by the source (EA) after the variation of the state of said detector and a switch (S1), operatively connected to the source (EA) and to the supply of the programmable device (CL). The electricity supply of the programmable device (CL) through the switch (S1) is stopped when the logic level of the memory element (FF) is low and is allowed when the logic level of the memory element (FF) is high. The present invention relates also to a photovoltaic module (PVM) comprising such an electronic control system (PCS) and a plant for the production of electricity comprising such a photovoltaic module (PVM).

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