

Title (en)
METHOD FOR ELECTRICALLY SECURING AN ELECTRICAL POWER SUPPLY OF AN ELECTRICALLY CONTROLLED LIGHTING SYSTEM OR SYSTEM WITH VARIABLE OPTICAL PROPERTIES AND USE OF THE ELECTRICALLY SECURED SYSTEM

Title (de)
VERFAHREN ZUR ELEKTRISCHEN SICHERUNG EINER STROMVERSORGUNG EINES ELEKTRISCH GESTEUERTEN BELEUCHTUNGSSYSTEMS ODER SYSTEMS MIT VERÄNDERLICHEN OPTISCHEN EIGENSCHAFTEN UND VERWENDUNG DES ELEKTRISCH GESICHERTEN SYSTEMS

Title (fr)
PROCEDE DE SECURISATION ELECTRIQUE D'UNE ALIMENTATION ELECTRIQUE D'UN SYSTEME ELECTROCOMMANDABLE A PROPRIETES OPTIQUES VARIABLES OU ECLAIRANT, UTILISATIONS DU SYSTEME SECURISE ELECTRIQUEMENT

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Abstract (en)
[origin: WO2010001057A2] The invention relates to a method for electrically securing an electrical power supply (1000) of an electrically controlled system with variable optical properties (100) positioned close to water. The electrically controlled system comprises a substrate (4, 5) carrying an electroactive element (3) disposed between first and second electrodes (1, 2) powered by a periodic voltage U(t) having a given maximum effective value U0 at a given low power supply frequency. The method consists of limiting the accessible potential at the input (1a) or output (1b) terminal of the electrically controlled system to a maximum value less than or equal to 50 V, said accessible potential being defined as the potential experienced by a human body in the event of contact with the input or output terminal. The invention also relates to the uses of the electrically controlled system thus secured.

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