

Title (en)

SECURITY DEVICE FOR AN ELECTRONIC SWITCH, AND ELECTRICAL SYSTEM COMPRISING A DEVICE OF SAID KIND

Title (de)

SICHERHEITSVORRICHTUNG FÜR EINEN ELEKTRONISCHEN SCHALTER UND ELEKTRISCHES SYSTEM MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR INTERRUPTEUR ÉLECTRONIQUE ET SYSTÈME ÉLECTRIQUE COMPORTANT UN TEL DISPOSITIF

Publication

EP 3987660 A1 20220427 (FR)

Application

EP 20733483 A 20200623

Priority

- FR 1906833 A 20190624
- EP 2020067533 W 20200623

Abstract (en)

[origin: WO2020260301A1] Autonomous security device and electrical system comprising a device of said kind. Security device comprising: a. a main input terminal (A) intended to be connected to a first DC voltage source (BAT), b. a main output terminal (B) intended to be connected to a first electrical apparatus (Ep1) and to a second electrical apparatus (Ep2), c. a switch device (10) comprising an input terminal (E), an output terminal (S) and a control terminal (G), wherein the input terminal of the switch device (10) is connected to the main input terminal (A), the output terminal of the switch device (10) is connected to the main output terminal (B), the switch device (10) comprises at least one first switch (Q1), the control terminal (G) of the switch device (10) is connected to a control device (30) so as to open or close the at least one first switch (Q1), d. a protective device (20) which is connected between the main input terminal (A) and the main output terminal (B); e. characterized in that: in the ON state, the protective device (20, 200) is controlled in such a way as to create a current path through which the discharge current (Id) runs parallel to the switch device (10, 100) when the switch control device (30) controls the switch device (10, 100) in the open state and when a discharge current (Id) runs through the stray inductance (L) between the first electrical apparatus (Ep1) and the second electrical apparatus (Ep2).

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

See references of WO 2020260301A1

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