

Title (en)

Safety device for an electric actuator for opening and closing the hatch of a military vehicle

Title (de)

Sicherheitsschaltung für eine elektrische Antriebsvorrichtung zum Öffnen und Schliessen des Lukendeckels an einer Ein-/Ausstiegsluke eines Kampffahrzeuges

Title (fr)

Dispositif de sécurité pour un dispositif d'entraînement électrique pour l'ouverture et à la fermeture du couvercle d'entrée / de sortie d'un véhicule de combat

Publication

**EP 1905931 B1 20081203 (DE)**

Application

**EP 07017456 A 20070906**

Priority

DE 202006014120 U 20060914

Abstract (en)

[origin: EP1905931A1] The electrical safety switching device is formed as relay circuit with a relay (K5) with self latch (SH), whose closed-circuit contact lies in the load supply line (LV) and its control input (X1) over a closed-circuit contact of another relay (K4) and a break contact of a third relay (K3) is connected in series with load supply line. The control input of latter relay over closed circuit contact of a fourth relay (K2) is connected to a source of supply voltage (u4) and the fourth relay is formed as loss-retarding time delay relay. A fifth relay (K1) is formed as suit-retarding time delay relay.

IPC 8 full level

**E05F 15/00** (2006.01); **E05F 15/12** (2006.01); **F41H 5/22** (2006.01)

CPC (source: EP)

**E05F 15/40** (2015.01); **F41H 5/22** (2013.01); **E05F 15/611** (2015.01); **E05Y 2400/53** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/504** (2013.01)

Cited by

US10966843B2; US11045331B2; US11690734B2; US9931224B2; US10022245B2; US10195049B2; US10792166B2; US11712349B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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