Title (en)

ELECTROMECHANICAL CONNECTION SYSTEM

Title (de)

ELEKTROMECHANISCHES VERBINDUNGSSYSTEM

Title (fr)

SYSTÈME DE LIAISON ÉLECTROMÉCANIQUE

Publication

EP 2338210 A1 20110629 (DE)

Application

EP 09783946 A 20091012

Priority

- EP 2009063266 W 20091012
- DE 102008051183 A 20081014

Abstract (en)

[origin: CA2740676A1] The invention relates to an electromechanical connection system which is provided with a current supply device which can be connected to a current source through current supply contacts. The current supply device is provided with switching magnets arranged on a magnet carriage. A current collection device which comprises a release magnet and which can be electrically connected to a load can be connected to the current supply device. A safety magnet is restored to the rest position by a retaining magnet or by a ferromagnetic retaining part if the magnet carriage remains in the live state even if the current collection device is removed, wherein a deliberate short circuit is effected. A non-conducting short-circuit part, which is movably arranged in the current supply device between two short-circuit line parts, holds the safety magnet at a distance to the short-circuit line in the event of normal function, and the non-conducting short-circuit part effects a connection between the short-circuit line parts if the magnet carriage does not return when the current collection device is removed.

IPC 8 full level

H01H 36/00 (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP US)

H01R 13/7037 (2013.01 - EP US); H01H 36/0026 (2013.01 - EP US)

Citation (search report)

See references of WO 2010043585A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

DE 102008051183 A1 20100415; CA 2740676 A1 20100422; CA 2740676 C 20160726; CN 102187532 A 20110914; CN 102187532 B 20130904; DE 202008017699 U1 20100429; EP 2338210 A1 20110629; EP 2338210 B1 20131225; HK 1158380 A1 20120713; US 2011193667 A1 20110811; US 8314669 B2 20121120; WO 2010043585 A1 20100422

DOCDB simple family (application)

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