

Title (en)
ELECTROMECHANICAL CONNECTION SYSTEM

Title (de)
ELEKTROMECHANISCHES VERBINDUNGSSYSTEM

Title (fr)
SYSTÈME DE LIAISON ÉLECTROMÉCANIQUE

Publication
EP 2338210 B1 20131225 (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)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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 201110811; US 8314669 B2 20121120; WO 2010043585 A1 20100422

DOCDB simple family (application)
DE 102008051183 A 20081014; CA 2740676 A 20091012; CN 200980140638 A 20091012; DE 202008017699 U 20081014;
EP 09783946 A 20091012; EP 2009063266 W 20091012; HK 11112481 A 20111118; US 200913123376 A 20091012