

Title (en)
ELECTROMECHANICAL CONNECTING DEVICE

Title (de)
ELEKTROMECHANISCHE VERBINDUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CONNEXION ELECTROMECHANIQUE

Publication
EP 0922315 A1 19990616 (DE)

Application
EP 97942880 A 19970826

Priority
• DE 29615005 U 19960829
• EP 9704656 W 19970826

Abstract (en)
[origin: WO9809346A1] An electromechanical connecting device can be connected to a switching device provided with switching magnets, arranged on a working carriage and connectable to a current source by means of current supply contacts, and can also be connected to a triggering device provided with triggering magnets and electrically connectable to a consumer. The switching magnets can be moved from a rest position to a working position against a restoring force, establishing a contact among pairs of contacts and thus an electric connection between the switching device and the triggering device. The switching magnets work by means of a special coding together with the triggering magnets arranged in the triggering device to generate particular magnetic fields for the switching process. In the switching device, at least one safety part designed as a safety magnet or ferromagnetic material can be moved in the direction of the triggering device from a rest position into a live position by a matching magnet or ferromagnetic part arranged in the triggering device, so that when the safety part returns to its rest position it causes an intentional short-circuit between the poles of the pair of contacts of the switching device even when the triggering device is removed, whereas the working carriage remains in the live state.

IPC 1-7
H01R 13/703; H01R 13/62

IPC 8 full level
H01R 13/62 (2006.01); **H01R 13/639** (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP US)
H01R 13/7037 (2013.01 - EP US)

Citation (search report)
See references of WO 9809346A1

Cited by
DE102008051183A1; DE202008017699U1; US8314669B2

Designated contracting state (EPC)
DE ES FR GB IT SE

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DE 29615005 U1 19961121; AU 4455897 A 19980319; DE 59701779 D1 20000629; EP 0922315 A1 19990616; EP 0922315 B1 20000524; ES 2149007 T3 20001016; JP 2000517097 A 20001219; JP 3886540 B2 20070228; US 6231349 B1 20010515; WO 9809346 A1 19980305

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