

Title (en)
ELECTROMECHANICAL CONNECTING DEVICE.

Title (de)
ELEKTROMECHANISCHE VERBINDUNGSVORRICHTUNG.

Title (fr)
DISPOSITIF DE CONNEXION ELECTROMECHANIQUE.

Publication
EP 0573471 B1 19941012

Application
EP 92905053 A 19920221

Priority
• DE 4106072 A 19910227
• EP 9200372 W 19920221

Abstract (en)
[origin: WO9216002A1] An electromechanical connecting device (1) comprises a switch device (2), which has a magnetic switch (4) and can be connected to a voltage source, and at least one trigger device (3), which has a trigger magnet (14 or 15) and can be connected to a consumer. The electromechanical connecting device (1) can bring the magnetic switch (4) from a rest position into a working position, thereby establishing the contact between at least one pair of contacts and the electrical connection between the switch device (2) and the trigger device (3). To produce a precisely defined switching point, the magnetic switch (4) has two magnets (5 and 6) which slide in the switch device (2) and close the contact between two pairs of contacts. The two magnets (5 and 6) are arranged on a magnet carriage (7) which, in the rest position, is urged by magnetic forces against a limit stop (9).

IPC 1-7
H01H 36/00

IPC 8 full level
H01H 36/00 (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP)
H01H 36/00 (2013.01); **H01R 13/7037** (2013.01)

Cited by
DE19512335C1; CN102187532A; DE19512334C1; DE10242664B4; US9660376B2; US9923290B2; US11424573B2; US7097461B2; WO2005086293A1; US9634428B2; DE102008051183A1; DE202008017699U1; US8314669B2; US7344380B2; US7361855B2; US9491530B2; US9609444B2; US9711893B2; US10090618B2; US10490933B2; US11233356B2; US8437860B1; US8750546B2; US9294852B2; EP2290754B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9216002 A1 19920917; DE 59200629 D1 19941117; EP 0573471 A1 19931215; EP 0573471 B1 19941012

DOCDB simple family (application)
EP 9200372 W 19920221; DE 59200629 T 19920221; EP 92905053 A 19920221