

Title (en)
Separation device

Title (de)
Trennvorrichtung

Title (fr)
Dispositif de séparation

Publication
EP 1357649 B1 20051109 (DE)

Application
EP 03405217 A 20030401

Priority
• EP 03405217 A 20030401
• EP 02405342 A 20020425

Abstract (en)
[origin: US2003210508A1] The apparatus is intended for disconnection of a live electrical conductor and has an enclosure (3) and two power connections (1, 2) which are passed out of the enclosure (3). A conductor section (7) which connects the two power connections (1, 2) to one another and a propellant means are arranged in the enclosure interior (4). The propellant means is used to produce an amount of compressed gas which is sufficient to disconnect the conductor section (7) when a fault current occurs. The propellant means is kept free of combustible substances and is chosen such that the amount of compressed gas which is required for disconnection can be thermally released from the propellant means by the electrical work produced by the fault current. Since explosive substances are avoided in the apparatus, the apparatus can be produced, transported, installed and maintained completely safely. After being commissioned, the apparatus is distinguished by high operational reliability.

IPC 1-7
H01T 1/14; **H01T 1/12**

IPC 8 full level
H01T 1/10 (2006.01); **H01T 1/12** (2006.01); **H01T 1/14** (2006.01)

CPC (source: EP US)
H01T 1/12 (2013.01 - EP US); **H01T 1/14** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2003210508 A1 20031113; **US 7289309 B2 20071030**; AT E309635 T1 20051115; CN 100423391 C 20081001; CN 1453912 A 20031105; DE 50301587 D1 20051215; EP 1357649 A1 20031029; EP 1357649 B1 20051109; ES 2252645 T3 20060516; JP 2003332019 A 20031121; JP 4138564 B2 20080827; RU 2310958 C2 20071120

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