

Title (en)
AIR CIRCUIT BREAKER

Title (de)
LUFTUNTERBRECHERSCHALTER

Title (fr)
DISJONCTEUR A AIR

Publication
EP 1414057 B1 20101103 (EN)

Application
EP 01955554 A 20010802

Priority
JP 0106644 W 20010802

Abstract (en)
[origin: EP1414057A1] An U-shaped flexible conductor (7) is deformed to U-shape by bending a movable contact (6) along the switching direction such that the movable contact activates a lever shaft (6c). The electromagnetic force along the spreading direction is converted into pressing force by the shaft. The parallel magnetic plates (13) are arranged in the gap between U-shaped poles of conductor.

IPC 8 full level
H01H 73/02 (2006.01); **H01H 1/50** (2006.01); **H01H 1/54** (2006.01); **H01H 73/20** (2006.01); **H01H 1/22** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP KR)
H01H 1/54 (2013.01 - EP); **H01H 33/02** (2013.01 - KR); **H01H 1/226** (2013.01 - EP); **H01H 1/5822** (2013.01 - EP)

Designated contracting state (EPC)
DE ES FR

DOCDB simple family (publication)
EP 1414057 A1 20040428; **EP 1414057 A4 20050316**; **EP 1414057 B1 20101103**; CN 1226764 C 20051109; CN 1441956 A 20030910; DE 60143410 D1 20101216; ES 2351204 T3 20110201; JP 4599799 B2 20101215; JP WO2003015114 A1 20041202; KR 100520928 B1 20051017; KR 20030055272 A 20030702; TW 517257 B 20030111; WO 03015114 A1 20030220

DOCDB simple family (application)
EP 01955554 A 20010802; CN 01811461 A 20010802; DE 60143410 T 20010802; ES 01955554 T 20010802; JP 0106644 W 20010802; JP 2002580697 A 20010802; KR 20037004542 A 20030328; TW 90119741 A 20010813