

Title (en)
MOVING CONTACT OF CIRCUIT BREAKER

Title (de)
BEWEGLICHER KONTAKT EINES UNTERBRECHERSCHALTERS

Title (fr)
CONTACT MOBILE DE DISJONCTEUR

Publication
EP 2187421 A1 20100519 (EN)

Application
EP 08734229 A 20080505

Priority
• CN 2008070873 W 20080505
• CN 200710025637 A 20070808

Abstract (en)
A moving contact member of circuit breaker, which belongs to the technical field of low-voltage apparatuses, comprises: an insulating support, a pair of fixing plates, a grid plate base, a set of grid plate, a revolving support shaft, a set of parallel conductors, a flexible conductive connecting wire, and a conductive block, wherein, the moving contact member further comprises a fixing support, which is mounted on the insulating support or grid plate base, accompanied with the set of parallel conductor; at least one conductor in the set of parallel conductors is in the fixing support and at a position consistent with the other conductors; the set of grid plates are arranged on either the grid plate base or the insulating support. The advantages of the present invention include: the temperature rise during short circuit on the moving contacts and fixed contacts can be reduced and the performance of short-time current tolerance of the circuit breaker can be improved; the moving contact can be kept small, and the overall volume of the circuit breaker can be controlled effectively; the fixing support is simple in structure and easy to install, which is favorable for economical efficiency and industrial applicability.

IPC 8 full level
H01H 73/04 (2006.01); **H01H 1/22** (2006.01); **H01H 71/00** (2006.01)

CPC (source: EP)
H01H 1/226 (2013.01)

Cited by
US10056741B2; EP3330988A1; CN108155066A; EP3098831A1; US2016352084A1; FR3036841A1; RU2701162C2; US10141140B2

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
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