

Title (en)
CONDUCTIVE LOOP OF CIRCUIT BREAKER

Title (de)
LEITFÄHIGE SCHLEIFE EINES SCHUTZSCHALTERS

Title (fr)
BOUCLE CONDUCTRICE DE DISJONCTEUR

Publication
EP 3483913 A4 20200115 (EN)

Application
EP 17823582 A 20170703

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Abstract (en)
[origin: EP3483913A1] An electrical path for a circuit breaker, comprising: a first contact group and a second contact group. The first contact group comprises a first static contact (121) and a first moving contact (122), and the first static contact (121) is connected to an inlet terminal (101). The second contact group comprises a second static contact (131) and a second moving contact (132), wherein the first moving contact (122) and the second moving contact (132) are electrically connected, the second static contact (131) is connected to a trip unit (104), and the trip unit (104) is connected to an outlet terminal (105). The electrical path for a circuit breaker according to one or more embodiments of the present invention electrically connects a plurality of moving contacts (122, 132, 222). The plurality of moving contacts (122, 132, 222) are coaxially mounted, and the second static contact (131) is connected, across the second moving contact (132), to the outlet terminal (105) while ensuring insulation. Under the premise of making the overall structure of the circuit breaker compact and occupy a small space, the inlet terminal and the outlet terminal are arranged on the two sides, thereby facilitating the wiring of the circuit breaker and other electrical equipment.

IPC 8 full level
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CPC (source: CN EP)
H01H 71/08 (2013.01 - CN); **H01H 71/1045** (2013.01 - EP); **H01H 73/04** (2013.01 - CN); **H01H 9/40** (2013.01 - EP)

Citation (search report)
• [X] JP 2009009840 A 20090115 - FUJI ELECTRIC ASSETS MAN CO LT
• [X] JP 2012033432 A 20120216 - FUJI ELECTRIC FA COMPONENTS & SYSTEMS CO LTD
• [X] EP 0649155 A1 19950419 - HAGER ELECTRO [FR]
• [X] US 3388358 A 19680611 - MARIO PAGANELLI
• See references of WO 2018006770A1

Designated contracting state (EPC)
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