

Title (en)
CONTACT DEVICE OF BREAKER

Title (de)
KONTAKTVORRICHTUNG EINES SCHALTERS

Title (fr)
DISPOSITIF DE CONTACT DE DISJONCTEUR

Publication
EP 3196907 A4 20180530 (EN)

Application
EP 15842628 A 20150128

Priority
• CN 201420541693 U 20140918
• CN 2015071741 W 20150128

Abstract (en)
[origin: EP3196907A1] A contact device of a circuit breaker comprises a rotation shaft, two pressing plates provided in contact mounting holes of the rotation shaft, and two contact knives arranged side by side, wherein one end of each of the contact knives, that is provided with a movable contact point, penetrates through the corresponding contact mounting hole, and the other end thereof is connected with the rotation shaft; two pressure-bearing shafts are provided at one ends, connected with the rotation shaft, of the two contact knives; each pressure-bearing shaft comprises a first column body, and a second column body fixedly connected with one end of the first column body, wherein a step surface is formed at the junction between the first column body and the second column body, and an area of the step surface is larger than that of a cross section of the first column body; the second column bodies of the two pressure-bearing shafts are provided between the two contact knives; the end surfaces of the two second column bodies are in contact location; the first column bodies of the two pressure-bearing shafts penetrate through the two contact knives respectively under the limiting of the step surface, extend to the outside of the contact knives and are fit to working surfaces of the two pressing plates. The contact device of the circuit breaker of the utility model has a simple structure and reliable performances and is convenient to machine and assemble.

IPC 8 full level
H01H 1/22 (2006.01); **H01H 71/02** (2006.01)

CPC (source: EP)
H01H 1/225 (2013.01); **H01H 1/226** (2013.01); **H01H 71/0207** (2013.01); **H01H 73/04** (2013.01)

Citation (search report)
• [A] CN 1118928 A 19960320 - FUJI ELECTRIC CO LTD [JP]
• [A] US 6977568 B1 20051220 - RAKUS PAUL R [US], et al
• [A] US 5146194 A 19920908 - ALTENHOF JR JAMES N [US], et al
• [A] US 5510761 A 19960423 - BOEDER FRANZ [DE], et al
• See references of WO 2016041314A1

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EP4167262A4

Designated contracting state (EPC)
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