

Title (en)
Braided tape contact disk

Title (de)
Kontaktscheibe mit Gewebeband

Title (fr)
Disque à contact à bande tressée

Publication
EP 2551871 A1 20130130 (EN)

Application
EP 11006249 A 20110729

Priority
EP 11006249 A 20110729

Abstract (en)
The invention relates to a contact device (200) for a switching pole (100) of an electric and/or electronic application, such as a circuit breaker, with an inner terminal (211, 221, 231, 241, 251) for electrically connecting the contact device (200) to a moving contact (103) of the switching pole (100), and an outer terminal (212, 222, 232, 242, 252) for electrically connecting the contact device (200) to a terminal (105, 107) of the switching pole (100). The proposed solution offers the combination of a low electrical resistance with a high mechanical flexibility. A braided flexible structure (213, 223, 233) is provided extending in a plane for electrically connecting the inner terminal (211, 221, 231, 241, 251) with the outer terminal (212, 222, 232, 242, 252) such that the inner terminal (211, 221, 231, 241, 251) is movable relative to the outer terminal (212, 222, 232, 242, 252) and in a direction (224) traverse to the plane from an off-position (290) to an on-position (292) of the switching pole (100).

IPC 8 full level
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CPC (source: EP)
H01H 1/5822 (2013.01); **H01H 33/6606** (2013.01)

Citation (applicant)
• US 2010181291 A1 20100722 - GENTSCH DIETMAR [DE]
• WO 2010079106 A1 20100715 - ABB SPA [IT], et al

Citation (search report)
• [X] WO 2008028672 A1 20080313 - SWITCHCRAFT EUROP GMBH [DE], et al
• [X] US 3665350 A 19720523 - KLINT ROBERT V
• [A] US 2005219022 A1 20051006 - BATTEUX PIERRE [FR], et al
• [A] EP 2063442 A1 20090527 - ABB TECHNOLOGY AG [CH]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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