

Title (en)

Movable contact assembly for air circuit breaker and connection method for flexible wire thereof

Title (de)

Bewegliche Kontaktanordnung für Luftleistungsschalter und Verbindungsverfahren für flexiblen Leiter dafür

Title (fr)

Ensemble de contact mobile pour disjoncteur à air et méthode de raccordement pour conducteur flexible correspondant

Publication

EP 1914768 A1 20080423 (EN)

Application

EP 07019936 A 20071011

Priority

KR 20060101056 A 20061017

Abstract (en)

A movable contactor of an air circuit breaker and connection method for flexible wire thereof is disclosed. The movable contactor of the air circuit breaker, comprising: a plurality of fingers (121), flexible wires (131) each having one end connected to each of the fingers, and a connector (141) having inserting grooves (152) for inserting another end of the flexible wires to one side thereof, wherein the inserting groove has an extended section having a width gradually increased from an opening in an insertion direction of the flexible wires. Accordingly, a short circuit and thermal deformation can be prevented, and manufacturing time and cost can be reduced.

IPC 8 full level

H01H 1/58 (2006.01); **H01H 1/22** (2006.01)

CPC (source: EP KR)

H01H 1/226 (2013.01 - KR); **H01H 1/5822** (2013.01 - EP KR); **H01H 31/02** (2013.01 - KR); **H01H 31/04** (2013.01 - KR); **H01H 33/52** (2013.01 - KR); **H01R 13/025** (2013.01 - EP KR); **H01R 35/02** (2013.01 - KR); **H01H 1/226** (2013.01 - EP); **H01R 35/02** (2013.01 - EP)

Citation (applicant)

- DE 102004058764 A1 20060601 - SIEMENS AG [DE]
- US 5032813 A 19910716 - GULA LANCE [US], et al
- DE 29614720 U1 19971218 - SIEMENS AG [DE]
- JP H11213762 A 19990806 - FUJI ELECTRIC CO LTD
- FR 1279798 A 19611222 - AMP INC

Citation (search report)

- [XY] DE 102004058764 A1 20060601 - SIEMENS AG [DE]
- [X] US 5032813 A 19910716 - GULA LANCE [US], et al
- [Y] DE 29614720 U1 19971218 - SIEMENS AG [DE]
- [Y] JP H11213762 A 19990806 - FUJI ELECTRIC CO LTD
- [A] FR 1279798 A 19611222 - AMP INC

Cited by

EP2296158A1; CN102024627A; ITMI20081336A1; KR20130073646A; RU2504856C2; US8622773B2; WO2010009957A1

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