

Title (en)
Tulip contact for circuit breaker

Title (de)
Tulpenkontakt für einen Leistungsschalter

Title (fr)
Contact du type tulipe pour un disjoncteur

Publication
EP 2797095 A1 20141029 (EN)

Application
EP 13164681 A 20130422

Priority
EP 13164681 A 20130422

Abstract (en)
A tulip contact (10) for a circuit breaker configured for receiving a corresponding plug (11), a circuit breaker comprising a tulip contact (10) described herein, and a method for producing a tulip contact (10) for a circuit breaker are described. The tulip contact (10) comprises a tubular base portion (25) from which a plurality of contact fingers (20) extends substantially in a direction of a longitudinal axis (26) of the tulip contact (10). A free-leading end portion (23) of the contact fingers (20) is configured for establishing an arc with the corresponding plug (11). Further, the tulip contact (10) comprises a high-strength portion (21) having a Young's modulus of 90 GPa to 140 GPa and a yield stress of 500 MPa to 1350 MPa.

IPC 8 full level
H01H 1/021 (2006.01); **H01H 1/38** (2006.01); **H01H 33/74** (2006.01)

CPC (source: EP)
H01H 1/021 (2013.01); **H01H 1/385** (2013.01); **H01H 33/74** (2013.01)

Citation (search report)

- [XYI] EP 0700062 A1 19960306 - ASEA BROWN BOVERI [SE]
- [XYI] EP 1675142 A1 20060628 - ABB TECHNOLOGY AG [CH]
- [YA] EP 0022535 A1 19810121 - LICENTIA GMBH [DE]
- [Y] DE 3002803 A1 19810730 - LICENTIA GMBH [DE]
- [T] ANONYMUS: "C17200 - Beryllium Copper", 19 September 2013 (2013-09-19), XP002713338, Retrieved from the Internet <URL:www.nbmmetals.com/media/pdf/NBM_C17200.pdf> [retrieved on 20130919]
- [T] ANONYMOUS: "EMH-Tubes in CuCr1Zr", 19 September 2013 (2013-09-19), XP002713339, Retrieved from the Internet <URL:www.mueller-hespert.de/images/uploads/emhPDF/Data-sheet_CuCr1Zr.pdf> [retrieved on 20130919]

Cited by
EP3796353A1; WO2021052950A1; CN105448547A; CN114424312A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2797095 A1 20141029; EP 2797095 B1 20151104

DOCDB simple family (application)
EP 13164681 A 20130422