

Title (en)
Two-part electrical contact

Title (de)
Zweiteiliger elektrischer Kontakt

Title (fr)
Contact électrique en deux parties

Publication
EP 2854222 B1 20200115 (EN)

Application
EP 13186002 A 20130925

Priority
EP 13186002 A 20130925

Abstract (en)
[origin: EP2854222A1] The present invention relates to a two-part electrical contact (1) and method of assembly thereof. The electrical contact (1) comprises a first part (5) configured with a first contacting zone that is at least partially inserted into a second part (10) configured with a second contacting zone. The first part (5) is inserted into the second part (10) to fix the first part (5) and the second part (10) together in mechanical and electrical engagement. The second part (10) is configured with at least one opening (15) to receive the first part (5) and at least one recess (25, 58) provided on an internal surface (30) of the at least one opening (15). The recess (25, 58) is capable of receiving displaced electrical contact material from the first part (5). The first part (5) is configured with at least one deformation zone (20, 50) that is capable of being deformed and is configured to at least partially fill the at least one recess (25, 58) when deformed. The at least one deformation zone (20, 50) is configured to undergo deformation by an abutment of the first part (5) with the second part (10). The method of assembly involves fixing the first part (5) and the second part (10) to each other and the surrounding material by moving the first part (5) into abutment with the second part (10) where the first part (5) is at least partially inserted into the second part (10), and then causing a localized bulging (70) of the outer cross sectional dimension of said second part (10) at an at least one location.

IPC 8 full level
H01R 4/06 (2006.01); **H01R 4/26** (2006.01); **H01R 13/04** (2006.01); **H01R 13/10** (2006.01)

CPC (source: EP)
H01R 4/06 (2013.01); **H01R 4/26** (2013.01); **H01R 13/04** (2013.01); **H01R 13/10** (2013.01)

Cited by
DE102016105470A1; DE102016206914A1; US10256565B2; US10717368B2; FR3102015A1; DE112020004849T5

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

DOCDB simple family (publication)
EP 2854222 A1 20150401; EP 2854222 B1 20200115

DOCDB simple family (application)
EP 13186002 A 20130925