

Title (en)
Two-part electrical contact

Title (de)
Zweiteiliger elektrischer Kontakt

Title (fr)
Contact électrique en deux parties

Publication
EP 2854222 A1 20150401 (EN)

Application
EP 13186002 A 20130925

Priority
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Abstract (en)
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.

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Citation (applicant)
• EP 0948088 A2 19991006 - TRI STAR ELECTRONICS INT INC [US]
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• [X] US 8070502 B2 20111206 - MITTER ALFRED [DE], et al
• [XDA] EP 0948088 A2 19991006 - TRI STAR ELECTRONICS INT INC [US]
• [A] FR 2075722 A5 19711008 - BUNKER RAMO

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DE102016206914A1; DE102016105470A1; US10717368B2; US10256565B2; FR3102015A1; DE112020004849T5

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