

Title (en)
Compliant self-locking high current contact

Title (de)
Selbsttätig verformender Hochstromkontakt

Title (fr)
Contact haute tension auto déformant.

Publication
EP 2461427 B1 20131002 (DE)

Application
EP 11188617 A 20111110

Priority
DE 102010053400 A 20101203

Abstract (en)
[origin: EP2461427A1] The high-current contact element (1) includes a plug socket (2) for receiving a plug portion of a contact pin in a radially resiliently formed receiving portion (3) of the plug socket with a contact force. The plug socket is partially surrounded by a ring (10) which deforms automatically, when the temperature in the contact rises and the contact force increases. An independent claim is included for electrical plug connector.

IPC 8 full level
H01R 13/03 (2006.01)

CPC (source: EP)
H01R 13/03 (2013.01); **H01R 13/18** (2013.01); **H01R 13/111** (2013.01)

Cited by
CN109411927A; DE102022117306B3; DE102022105072A1; DE102022105072B4; DE102022105075A1; WO2023165961A1;
DE102022105075B4; DE102022105074B3; EP4238757A1; EP4239803A1; DE102022105071A1; EP4239804A1; DE102022105068A1;
DE102022105068B4

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)
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