

Title (en)
Electrical connecting element

Title (de)
Elektrisches Anschlusselement

Title (fr)
Élément de raccordement électrique

Publication
EP 2690716 B1 20180502 (DE)

Application
EP 12177673 A 20120724

Priority
EP 12177673 A 20120724

Abstract (en)
[origin: EP2690716A1] The element has a base body comprising a connection section and a socket section (12). The socket section comprises a contact arm (28) for contacting a plug contact. An additional spring (16) encloses the body in an area of the socket section and acts together with the arm in the contact area such that the spring is deflected against resetting force of an additional spring arm (34). The spring has a guiding latch (24) in an area of an insertion opening (26) for the contact. The guiding section overlaps with an end area of the arm and outwardly preloads the arm. The base body and/or the spring is designed as a press-bent-part.

IPC 8 full level
H01R 13/11 (2006.01); **H01R 13/18** (2006.01)

CPC (source: EP KR US)
H01R 13/11 (2013.01 - KR US); **H01R 13/112** (2013.01 - EP US); **H01R 13/18** (2013.01 - EP US); **H01R 2201/26** (2013.01 - EP US)

Citation (examination)
• US 6402571 B1 20020611 - MULLER STEFFEN [DE], et al
• US 5938485 A 19990817 - HOTEA GHEORGHE [DE], et al

Cited by
WO2022223609A1; EP4080687A1

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 2690716 A1 20140129; EP 2690716 B1 20180502; CN 103579806 A 20140212; CN 103579806 B 20160817; KR 101989442 B1 20190930; KR 20140013939 A 20140205; US 2014030934 A1 20140130; US 9011186 B2 20150421

DOCDB simple family (application)
EP 12177673 A 20120724; CN 201310310379 A 20130723; KR 20130084181 A 20130717; US 201313926463 A 20130625