

Title (en)
CONTACT ELEMENT ARRANGEMENT

Title (de)
KONTAKTELEMENTEANORDNUNG

Title (fr)
ASSEMBLAGE D'ÉLÉMENTS DE CONTACT

Publication
EP 3616271 A1 20200304 (DE)

Application
EP 18721356 A 20180427

Priority
• DE 102017109246 A 20170428
• EP 2018060906 W 20180427

Abstract (en)
[origin: WO2018197682A1] The invention relates to a contact element arrangement (1) consisting of a shaped sheet-metal part (2), wherein: at least two contact elements (20) which are spaced apart from each other and extend away from a flat base plate (10) of the sheet-metal part (2) are shaped from the sheet-metal part (2); the one contact element (20, 30) forms a substantially cylindrical contacting section (22) for mounting a pin-shaped mating contact by insertion; and the second contact element (20, 30) is formed as a contact spring bent in an S-shape over two bending sections (31), the contact spring forming a contact dome (35) facing away from the base plate (10). (Figure 1) The invention relates to a contact element arrangement (1) consisting of a shaped sheet-metal part (2), wherein: at least two contact elements (20) which are spaced apart from each other and extend away from a flat base plate (10) of the sheet-metal part (2) are shaped from the sheet-metal part (2); the one contact element (20, 30) forms a substantially cylindrical contacting section (22) for mounting a pin-shaped mating contact by insertion; and the second contact element (20, 30) is formed as a contact spring bent in an S-shape over two bending sections (31), the contact spring forming a contact dome (35) facing away from the base plate (10).

IPC 8 full level
H01R 13/703 (2006.01); **H01R 13/11** (2006.01); **H01R 13/24** (2006.01); **H01R 13/40** (2006.01)

CPC (source: EP US)
H01R 13/111 (2013.01 - EP US); **H01R 13/112** (2013.01 - US); **H01R 13/7033** (2013.01 - EP US); **H01R 11/05** (2013.01 - EP); **H01R 13/112** (2013.01 - EP); **H01R 13/2428** (2013.01 - EP); **H01R 13/2442** (2013.01 - EP); **H01R 13/41** (2013.01 - EP US); **H01R 43/16** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP US)

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)
DE 102017109246 A1 20181031; **DE 102017109246 B4 20240215**; CN 110720162 A 20200121; CN 110720162 B 20220315; EP 3616271 A1 20200304; EP 3616271 B1 20211117; ES 2906898 T3 20220420; JP 2020518113 A 20200618; JP 7316941 B2 20230728; US 10950965 B2 20210316; US 2020099155 A1 20200326; WO 2018197682 A1 20181101

DOCDB simple family (application)
DE 102017109246 A 20170428; CN 201880038341 A 20180427; EP 18721356 A 20180427; EP 2018060906 W 20180427; ES 18721356 T 20180427; JP 2019558493 A 20180427; US 201816609052 A 20180427