

Title (en)
Stamped and bent contact pin

Title (de)
Stanz-Biege-Steckerstift

Title (fr)
Broche de contact estampée et courbée

Publication
EP 1783868 A1 20070509 (DE)

Application
EP 06122990 A 20061026

Priority
• DE 102005053566 A 20051108
• DE 102005053565 A 20051108

Abstract (en)
The contact pin (1) has a cylindrical pin extension (3) that is connected with a connection head (2), where the free end of the extension is opened or closed. The cylindrical pin extension and the head are formed from a metallic flat material. A flexible tongue (7) is arranged in the connection head and produces a clamping connection with a terminal lead (8). The flexible tongue is formed with a free side opposite to an inner wall of the connection head.

IPC 8 full level
H01R 13/04 (2006.01); **H01R 4/24** (2006.01); **H01R 4/48** (2006.01); **H01R 13/432** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP US)
H01R 4/242 (2013.01 - EP); **H01R 4/4821** (2023.08 - EP US); **H01R 4/4848** (2023.08 - EP US); **H01R 13/04** (2013.01 - EP); **H01R 13/432** (2013.01 - EP); **H01R 43/16** (2013.01 - EP); **H01R 4/485** (2023.08 - EP US)

Citation (search report)
• [X] US 5344336 A 19940906 - SAMPSON STEPHEN A [US]
• [X] DE 19956750 A1 20000608 - PHOENIX CONTACT GMBH & CO [DE]
• [XD] US 3853377 A 19741210 - SHLESINGER B
• [XD] DE 10004248 A1 20010809 - ALOYS MENNEKES ANLAGENGMBH & C [DE]

Citation (third parties)
Third party :
US 5344366 A 19940906 - STONEY ARTHUR [GB], et al

Cited by
JP2011528160A; WO2013010626A1; WO2013117207A1; CN103733446A; ITPD20110396A1; CN102113176A; DE202011103484U1; WO2010006758A1; US8052447B2; US8177572B2; DE102012002350A1; US9407018B2; US9660358B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1783868 A1 20070509; EP 1783868 B1 20170222

DOCDB simple family (application)
EP 06122990 A 20061026