

Title (en)
ELECTRICAL PLUG-TYPE CONNECTOR

Title (de)
ELEKTRISCHER VERBINDER VOM STECKERTYP

Title (fr)
CONNECTEUR ÉLECTRIQUE DE TYPE FICHE

Publication
EP 3282525 A1 20180214 (EN)

Application
EP 17187459 A 20120411

Priority
• DE 202011005469 U 20110420
• EP 12163779 A 20120411

Abstract (en)
Electrical plug-type connector, namely data jack for receiving, in contact-making fashion, at least one data plug, with a housing and with a connecting device positioned in the housing, the connecting device having a printed circuit board (10) with electrical conductors, the connecting device furthermore having contact springs (11, 12, 13, 14, 15, 16, 17, 18), via which contact can be made between the conductors of the printed circuit board (10) and contacts of a data plug, the contact springs being anchored, at a first section (19) thereof, in the printed circuit board and permanent contact thus being made between said contact springs and the conductors of said printed circuit board, it being possible for contact to be made between the contact springs, via a second, elastically deformable section (20), and the contacts of a data plug. The second, elastically deformable section (20) of the contact springs (11, 12, 13, 14, 15, 16, 17, 18) has two subsections (27, 28), which are inclined differently with respect to a horizontal or the insertion direction of the data plug, the two subsections (27, 28) enclosing an angle (#²) of between 35° and 45° in the load-free state of the contact springs (11, 12, 13, 14, 15, 16, 17, 18).

IPC 8 full level
H01R 13/66 (2006.01); **H01R 12/55** (2011.01); **H01R 24/64** (2011.01); **H01R 24/62** (2011.01)

CPC (source: EP)
H01R 12/55 (2013.01); **H01R 13/6658** (2013.01); **H01R 24/64** (2013.01); **H01R 24/62** (2013.01)

Citation (search report)
• [X] US 7427218 B1 20080923 - HASHIM AMID I [US], et al
• [X] EP 1022818 A2 20000726 - THOMAS & BETTS INT [US]
• [X] EP 1022820 A2 20000726 - THOMAS & BETTS INT [US]
• [X] US 5478261 A 19951226 - BOGESE II STEPHEN B [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

DOCDB simple family (publication)
DE 202011005469 U1 20110816; EP 2515389 A1 20121024; EP 2515389 B1 20171004; EP 3282525 A1 20180214; ES 2647873 T3 20171227

DOCDB simple family (application)
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