

Title (en)
Electrical plug-type connector

Title (de)
Elektrischer steckerartiger Verbinder

Title (fr)
Connecteur électrique de type fiche

Publication
EP 2515389 A1 20121024 (EN)

Application
EP 12163779 A 20120411

Priority
DE 202011005469 U 20110420

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, and at least some contact springs (12, 13, 14, 15, 16, 17) being free of any load when there is no data plug in the data jack.

IPC 8 full level
H01R 13/66 (2006.01); **H01R 24/64** (2011.01); **H01R 24/62** (2011.01); **H01R 107/00** (2006.01)

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

Citation (applicant)
• DE 202011005469 U1 20110816 - CCS TECHNOLOGY INC [US]
• US 6530810 B2 20030311 - GOODRICH ROBERT RAY [US], et al

Citation (search report)
• [XYI] US 6398591 B1 20020604 - HESS JOHN MATTHEW [US], et al
• [X] US 2007015410 A1 20070118 - SIEMON JOHN A [US], et al
• [X] US 7427218 B1 20080923 - HASHIM AMID I [US], et al
• [X] US 2003194908 A1 20031016 - BROWN CURTIS D [US], et al
• [YA] US 6350158 B1 20020226 - ARNETT JAIME RAY [US], et al
• [Y] US 6217352 B1 20010417 - OLIPHANT DAVID [US], et al
• [Y] US 2008311797 A1 20081218 - AEKINS ROBERT A [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 202011005469 U1 20110816; EP 2515389 A1 20121024; EP 2515389 B1 20171004; EP 3282525 A1 20180214; ES 2647873 T3 20171227

DOCDB simple family (application)
DE 202011005469 U 20110420; EP 12163779 A 20120411; EP 17187459 A 20120411; ES 12163779 T 20120411