

Title (en)
Electrical socket

Title (de)
Elektrische Steckbuchse

Title (fr)
Prise électrique

Publication
EP 1758213 A1 20070228 (DE)

Application
EP 06015013 A 20060719

Priority
DE 102005041035 A 20050825

Abstract (en)
The socket has housing with a plug slot for insertion of a connecting plug. A set of contact springs (37) is parallelly arranged in the plug slot and forms a contact spring array (38). The contact springs are laminarily attached over its entire length to respective stoppers (41), where the stoppers are connected with one another as a single piece. Each stopper forms a stop unit (45) that includes a free space between the stoppers for receiving a retaining rib of the connecting plug, where the rib is arranged between adjacent plug contacts.

IPC 8 full level
H01R 24/00 (2006.01)

CPC (source: EP US)
H01R 24/64 (2013.01 - EP US)

Citation (applicant)
• US 2005153580 A1 20050714 - SCHILLING ROBERT [US]
• US 6416364 B1 20020709 - SHI GUANGXING [CN], et al

Citation (search report)
• [A] US 6416364 B1 20020709 - SHI GUANGXING [CN], et al
• [DA] US 2005153580 A1 20050714 - SCHILLING ROBERT [US]
• [DA] DE 10242143 A1 20040325 - GAERTNER KARL TELEGAERTNER [DE]

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 1758213 A1 20070228; EP 1758213 B1 20080227; AT E387735 T1 20080315; DE 102005041035 A1 20070301;
DE 502006000388 D1 20080410; PL 1758213 T3 20080731; TW 200735485 A 20070916; US 2007202752 A1 20070830

DOCDB simple family (application)
EP 06015013 A 20060719; AT 06015013 T 20060719; DE 102005041035 A 20050825; DE 502006000388 T 20060719;
PL 06015013 T 20060719; TW 95130906 A 20060823; US 50855506 A 20060822