

Title (en)
A universal power socket

Title (de)
Universale Kontaktdose

Title (fr)
Prise universale

Publication
EP 2133961 A1 20091216 (EN)

Application
EP 09171402 A 20060803

Priority
• EP 06795200 A 20060803
• HK 05106661 A 20050803

Abstract (en)
An electrical socket (100) for receiving an electrical plug, the socket comprising a first socket region (1) and a second socket region (2) which are electrically connected for alternative use, each of said first and said second socket regions comprising a base pair (121,122;111,112) of contact receptacles and a third contact receptacle (113,123) which are located at the vertices of an isosceles triangular arrangement with the base pair of contact receptacles disposed at the base vertices of the isosceles triangular arrangement, said first socket region and said second socket region being adapted for receiving electrical plugs of a first type and a second type respectively, wherein an electrical plug of said first type and an electrical plug of said second type comprise at least a pair of base contact prongs which are respectively insertable into the pair of base contact receptacles of said first and said second socket regions respectively, and the foot-print of a pair of base contact prongs of an electrical plug of the first type falls within the foot-print of the pair of base contact receptacles of the second socket region, and the foot-print of a pair of base contact prongs of an electrical plug of said second type exceeds the foot-print of the pair of base contact receptacles of said first socket region.

IPC 8 full level
H01R 27/02 (2006.01); **H01R 13/453** (2006.01)

CPC (source: EP)
H01R 13/4534 (2013.01); **H01R 13/652** (2013.01); **H01R 24/78** (2013.01); **H01R 27/00** (2013.01); **H01R 25/00** (2013.01); **H01R 2103/00** (2013.01)

Citation (applicant)
• US 5007848 A 19910416 - LEE CHIU-SHAN [TW]
• US 5836777 A 19981117 - CHEN DAVID CHIEN HUA [TW]
• US 6010347 A 20000104 - LEE CHIU-SHAN [TW]

Citation (search report)
• [YD] US 6010347 A 20000104 - LEE CHIU-SHAN [TW]
• [Y] GB 2336478 A 19991020 - LEE CHIU SHAN [TW]

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CN107611670A; CN116544738A; GB2477313A; GB2477313B; EP2824770A1; CH708281A1; US9281602B2; WO2020127052A1

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DOCDB simple family (application)
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