

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 February 2007 (08.02.2007)

PCT

(10) International Publication Number
WO 2007/015156 A3

(51) International Patent Classification:
H01R 27/02 (2006.01)

(21) International Application Number:
PCT/IB2006/002117

(22) International Filing Date: 3 August 2006 (03.08.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
05106661.0 3 August 2005 (03.08.2005) CN

(71) Applicant (for all designated States except US): **CLIP-SAL ASIA HOLDINGS LIMITED** [—/CN]; 3/F West Wing Warwick House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong SAR (CN).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LEE, Kwok, Kit, Patrick** [GB/CN]; 3/F West Wing Warwick House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong SAR (CN).

(74) Common Representative: **CLIPSAL ASIA HOLDINGS LIMITED**; c/o Christopher Britton/Hans Lee, Deacons, 3rd-7th, 14th, 29th Floors, Alexandra House, Central, Hong Kong SAR (CN).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

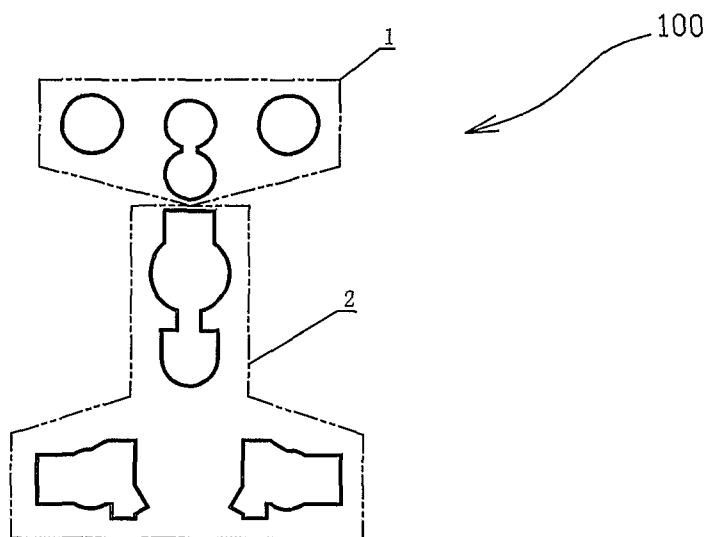
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: A UNIVERSAL POWER SOCKET



(57) Abstract: 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.

WO 2007/015156 A3



(88) Date of publication of the international search report:

21 June 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.