(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 April 2010 (15.04.2010)

PCT

(10) International Publication Number
WO 2010/041925 A2

(51) International Patent Classification:
H01R 13/66 (2006.01) *H01R 13/10* (2006.01)
H01R 13/20 (2006.01) *H01R 13/46* (2006.01)

(21) International Application Number:
PCT/MY2009/000199

(22) International Filing Date:
25 November 2009 (25.11.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI20084005 9 October 2008 (09.10.2008) MY

(72) Inventor; and
(71) Applicant : **YAP, Wang Han** [MY/MY]; 127, KG Baru Tampin, 73000 Negeri Sembilan (MY).

(74) Agents: **TAN, Sin Su** et al.; Quality Oracle Sdn BHD, L6-03, Level 6, Wisma BU8, NO.11, Lebuh Bandar Utama, Bandar Utama, 47800 Petaling Jaya Selangor (MY).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

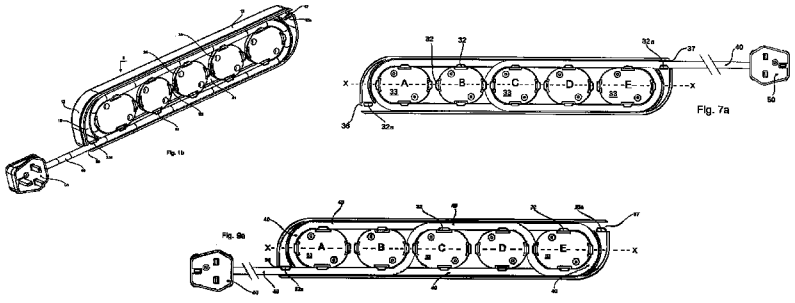
— *as to the identity of the inventor (Rule 4.17(i))*

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

— *with information concerning request for restoration of the right of priority in respect of one or more priority claims (Rules 26bis.3 and 48.2(b)(vii))*

(54) Title: EXTENSION SOCKET WITH CORD STORAGE AND DISPENSING SYSTEM



(57) Abstract: The invention relates to an extension socket (8) with cord storage and dispensing system. The extension socket (8) comprises a housing (9) with an upper housing (10) and a lower housing (20), a set of wiring and contact mechanisms (not shown) in the working enclosure of the lower housing (20) by which the pins of a plug make electrical contacts with the wiring and contact mechanisms of the socket unit (18), an electrical plug (50) and a cable cord (40) having a predetermined length connecting the wiring and contact mechanisms within the housing (9) of the extension socket (8) to the electrical plug (50), wherein when the upper housing (10) and the lower housing (20) are coupled and fastened together, a receiving track (30) of predetermined width is formed between the walls (12, 13) of the upper housing (10) and the intermediate wall (22) of the lower housing (20) for storage of cable cord (40); wherein the upper housing (10) has at least one outlet port (36, 37) to enable the cable cord (40) to be dispensed out from the receiving track (30) from the outlet port (36, 37) and wherein the bottom plate (21) of the lower housing (20) has a plurality of spaced apart projecting blocks (33) extending outward from the back of the bottom plate (21) with a passage (38) of predetermined width defined between any two adjacent projecting blocks (33) to receive passage of the cable cord (40) between the projecting blocks (33) for finer adjustment of the length of the cable cord (40) to be dispensed out through the outlet port (36, 37). Retainer means (32) may be included to hold the cable cord in place in the receiving track and/or the passage (38) between two adjacent projecting blocks (33).

WO 2010/041925 A2