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- (71) **Applicant:** HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP [US/US]; 11445 Compaq Center Drive West, Houston, TX 77070 (US).
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- (74) **Agents:** POJUNAS, Scott et al.; Hewlett Packard Enterprise, 3404 E. Harmony Road, Mail Stop 79, Fort Collins, CO 80528 (US).
- (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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,

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- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

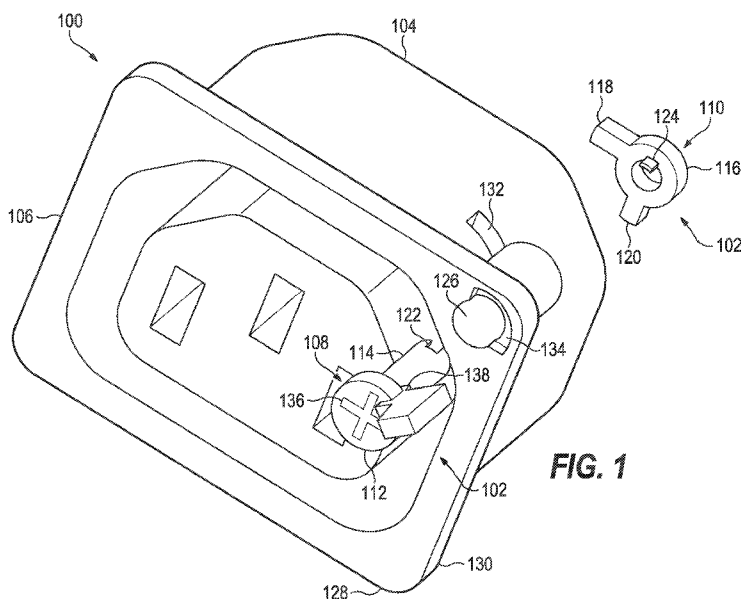
- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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- *with international search report (Art. 21(3))*

[Continued on next page]

(54) **Title:** CONNECTOR WITH A RETAINER ASSEMBLY



(57) **Abstract:** Example implementations relate to a connector with a retainer assembly. For example, an apparatus may include a connector having a housing and a retainer assembly to retain a power plug within the housing. The retainer assembly may retain a first type of power plug within the housing with a first retaining feature using a locking fit and retain a second type of power plug within the housing with a second retaining feature using a friction fit.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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22 December 2016

A. CLASSIFICATION OF SUBJECT MATTER**H01R 13/639(2006.01)i, H01R 13/627(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01R 13/639; H01R 12/18; H01R 13/652; H01R 13/73; H01R 13/62; H01R 12/00; H01R 13/627

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: power plug, retainer, locking fit, friction fit, slot

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2012-216336 A (YAZAKI CORP.) 08 November 2012 See paragraphs [0032]-[0039], claim 1 and figure 1.	1-2, 6, 8-10
A		3-5, 7, 11-15
Y	US 2011-0039440 A1 (PATRICK DAUBIGNEY) 17 February 2011 See paragraphs [0038]-[0042], claim 1 and figure 1.	1-2, 6, 8-10
A	US 2012-0322302 A1 (SHIGEO MORI) 20 December 2012 See paragraphs [0013]-[0015], claim 1 and figure 7.	1-15
A	US 2003-0129860 A1 (CHIH MING LAI) 10 July 2003 See paragraphs [0039]-[0042] and figures 1-2.	1-15
A	JP 2007-109433 A (GIGA-BYTE TECHNOLOGY CO., LTD.) 26 April 2007 See paragraphs [0012]-[0014], claim 1 and figures 2-3.	1-15

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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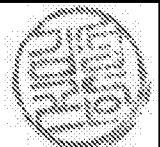
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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