

Title (en)

AN UNIVERSAL ELECTRIC PLUG FOR RESIDENTIAL DC AND AC GRIDS

Title (de)

UNIVERSELLER ELEKTRISCHER STECKER FÜR GLEICHSTROM- UND WECHSELSTROMWOHNNETZE

Title (fr)

PRISE ÉLECTRIQUE UNIVERSELLE POUR RÉSEAUX RÉSIDENTIELS CA ET CC

Publication

EP 3968471 B1 20240508 (EN)

Application

EP 20195387 A 20200909

Priority

EP 20195387 A 20200909

Abstract (en)

[origin: EP3968471A1] The present invention proposes the new universal plug that can be plugged into conventional AC socket (Type F) and an asymmetrical power socket that can be used as DC socket. This asymmetrical DC socket has anti-mis-insertion power interface connector and protection from the AC plugs insertion. The shape of body of the universal electric plug is realised by the geometric intersection of the shape of the body of the AC plug and the shape of the recess of the any possible asymmetric DC outlet and the groove or trimmed edge forming any asymmetrical shape is located in side of plug body on an axis parallel to the axis of the two grounding grooves.

IPC 8 full level

H01R 13/64 (2006.01); **H01R 24/28** (2011.01); **H01R 24/76** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP)

H01R 13/64 (2013.01); **H01R 24/28** (2013.01); **H01R 24/76** (2013.01); **H01R 2103/00** (2013.01)

Citation (examination)

DE 19506713 C2 19961219 - HENGSTLER PETER GMBH & CO KG [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3968471 A1 20220316; EP 3968471 B1 20240508; EP 3968471 C0 20240508

DOCDB simple family (application)

EP 20195387 A 20200909