Title (en)
SMART PLUG SOCKET DEVICE WITH BENT ANTENNA EMBEDDED THEREIN

Title (de)
INTELLIGENTE STECKDOSENVORRICHTUNG MIT DARIN EINGEBETTETER GEBOGENER ANTENNE

Title (fr)
DISPOSITIF DE FICHE INTELLIGENTE AVEC ANTENNE COURBÉE INTÉGRÉE À L'INTÉRIEUR DE CELUI-CI

Publication
EP 3557700 A1 20191023 (EN)

Application
EP 17880932 A 20171213

Priority
• KR 20160172415 A 20161216
• KR 2017014655 W 20171213

Abstract (en)
Provided is a smart plug socket device in which a bent antenna is embedded therein. The smart plug socket device includes: a lower housing in which a pair of through-holes are formed in the lower surface thereof; and an upper housing, which is mutually coupled to the lower housing so as to form an inner space and in which a pair of insertion holes into which a plug pin of an electronic device can be inserted are formed in the lower surface thereof. The upper housing further includes a wireless communication antenna coupled to the inside surface of the upper housing, and the antenna includes an antenna pattern part that is bent along the inner circumference of the upper housing, thereby extending in a horizontal direction.

IPC 8 full level
H01R 13/70 (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/38** (2006.01); **H01R 13/10** (2006.01); **H01R 13/66** (2006.01)

CPC (source: EP KR)
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H01R 13/10 (2013.01 - EP KR); **H01R 13/66** (2013.01 - EP KR); **H01R 13/70** (2013.01 - EP KR); **H01R 24/68** (2013.01 - EP);
H01R 24/70 (2013.01 - EP); **H01R 31/065** (2013.01 - EP); H01R 13/4534 (2013.01 - EP); H01R 13/6658 (2013.01 - EP);
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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