

Title (en)
WALL POWER SUPPLY SOCKET PROVIDED WITH USB CHARGING DEVICE

Title (de)
WANDSTECKDOSE MIT USB-LADEVORRICHTUNG

Title (fr)
PRISE DE COURANT MURALE POURVUE D'UN DISPOSITIF DE CHARGE USB

Publication
EP 3236540 A4 20180801 (EN)

Application
EP 16876966 A 20160624

Priority
• CN 201620564121 U 20160612
• CN 2016086978 W 20160624

Abstract (en)
[origin: EP3236540A1] The present invention discloses a wall outlet with USB charging device, comprising a panel and a bottom cover provided at the backside thereof; the panel is provided with a power slot and a USB charging socket; an accommodating space formed by the panel and the bottom cover is provided with a USB charging device, a live wire metallic strip, a null wire metallic strip and an earth wire metallic strip; the distance between the power slot center and the panel center is 2-5mm. By deviating the power slot center from the panel center, it reserves space on one side of the panel for providing a USB charging socket, and space for installing a USB charging circuit board and a USB port inside the accommodating space formed by the panel and the bottom cover, and thus makes the wall outlet directly take the place of those wall outlets that only provide power slots for connecting electric plugs of external appliances after adding USB charging function. This enables the wall outlet to have both USB charging function and power supply function for external electrical appliance, which meets the needs of modern life better.

IPC 8 full level
H01R 13/73 (2006.01); **H01R 24/78** (2011.01); **H01R 25/00** (2006.01); **H01R 13/66** (2006.01); **H01R 103/00** (2006.01)

CPC (source: EP)
H01R 13/73 (2013.01); **H01R 24/78** (2013.01); **H01R 25/006** (2013.01); **H01R 13/6658** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)
• [X] CN 204668628 U 20150923 - GUANGZHOU LEISHEN ELECTRICAL MFG CO LTD
• [X] CN 203260857 U 20131030 - ZHENG BINGZHANG
• [X] EP 2696448 A1 20140212 - BERKER GMBH & CO KG [DE]
• [X] EP 2523273 A1 20121114 - ABB AG [DE]
• [A] CN 202585966 U 20121205 - YIN SHAOBIN
• See references of WO 2017121075A1

Cited by
IT202000005356A1; EP3751680A1; CN109167456A; EP3840137A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3236540 A1 20171025; EP 3236540 A4 20180801; EP 3236540 B1 20201223; CN 205790788 U 20161207; ES 2842503 T3 20210714; WO 2017121075 A1 20170720

DOCDB simple family (application)
EP 16876966 A 20160624; CN 2016086978 W 20160624; CN 201620564121 U 20160612; ES 16876966 T 20160624