

Title (en)
EXTENDABLE ELECTRICAL PLUG

Title (de)
AUSZIEHBARER ELEKTRISCHER STECKER

Title (fr)
PRISE ÉLECTRIQUE EXTENSIBLE

Publication
EP 3876366 A1 20210908 (EN)

Application
EP 21161149 A 20210306

Priority
BE 202005156 A 20200306

Abstract (en)
The present invention provides an extendable electrical plug (1). The extendable electrical plug (1) comprises a frame (2) with a front side and a back side. At its back side, the frame (2) comprises a connector (3) with contact pins (4) for plugging into an existing socket outlet (10) in a wall (11). At its front side, the frame (2) comprises a socket function (5) for receiving pins of an electrical plug of an electrical appliance. The electrical plug (1) furthermore comprises at least one interface element (6) for connecting to a compatible interface element (8) of at least one extension module (7), for removably connecting the at least one extension module (7) to the electrical plug (1) for providing an additional functionality to the electrical plug (1). The interface element (6, 8) are adapted for providing power to the at least one extension module (7) and for providing communication between the electrical plug (1) and the at least one extension module (7).

IPC 8 full level
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Citation (applicant)
• WO 0195692 A2 20011220 - HAUGEN TOM OE [NO]
• US 8052486 B2 20111108 - LEE YU-LUNG [TW], et al
• US 2017187135 A1 20170629 - AZOULAY RAN [IL]

Citation (search report)
• [XYI] US 2017187135 A1 20170629 - AZOULAY RAN [IL]
• [Y] US 2015340826 A1 20151126 - CHIEN TSENG-LU [US]

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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)
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