

Title (en)

SAFE LOCKING OF SMART PLUG ADAPTERS TO POWER SOCKETS

Title (de)

SICHERE VERRIEGELUNG VON INTELLIGENTEN STECKERADAPTERN AN STECKDOSEN

Title (fr)

VERROUILLAGE SÉCURISÉ D'ADAPTATEURS DE PRISE INTELLIGENTE DANS DES PRISES D'ALIMENTATION

Publication

EP 3396788 B1 20191113 (EN)

Application

EP 17168419 A 20170427

Priority

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Abstract (en)

[origin: EP3396788A1] A smart plug adapter (1) includes a housing (30), a controller (50), a male member (10) to receive electrical current when engaged with a power socket (80), a locking mechanism (40) which when actuated locks with the power socket (80), a female member (20) to provide the current to an electrical device (90) when a plug (91) of the device (90) is inserted therein, a mechanical vibrations actuator (60) at the female member (20) and that emits mechanical vibrations outwardly from the housing (30), and a vibration sensor (62) at the female member (20) and that determines mechanical vibrations, when present, from the device plug (91). The controller (50) sends an actuating signal to the locking mechanism (40) when the controller (50) receives a signal from the vibration sensor (62) that is indicative of presence of mechanical vibrations i.e. indicative of the presence of the device plug (91) engaged with the female member (20). The actuating signal actuates the locking mechanism (40).

IPC 8 full level

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CPC (source: EP)

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