

Title (en)

COVER STRUCTURE WITH INTEGRATED DISPLAY, FOR ELECTRICAL CONTROL DEVICES

Title (de)

ABDECKSTRUKTUR MIT INTEGRIERTER ANZEIGE FÜR ELEKTRISCHE STEUERGERÄTE

Title (fr)

STRUCTURE DE RECOUVREMENT À DISPOSITIF D'AFFICHAGE INTÉGRÉ POUR DISPOSITIFS DE COMMANDE ÉLECTRIQUES

Publication

**EP 4320610 A1 20240214 (EN)**

Application

**EP 22718987 A 20220331**

Priority

- IT 202100008663 A 20210407
- EP 2022058602 W 20220331

Abstract (en)

[origin: WO2022214386A1] A cover structure with integrated display, for electrical and electronic devices, such as for example control devices, outlets, electronic modules etcetera, associable with a base adapted to support the devices; the structure includes a waveguide associated with an electronic module covered by a translucent film associated with a support structure; the electronic module is a printed circuit board which includes at least one LED matrix; the LED matrix constitutes a display that is visible through the film; the electronic module has a ToF sensor that takes measurements through a seat formed in the support structure; the display is configured to display an operating state of the control devices. The cover structure, which replaces a traditional cover plate, is provided with an integrated display element for modular supports of a residential range. The integrated display element can be freely configured to display, by means of icons which can even be animated, the state of the control devices and/or the associated function.

IPC 8 full level

**G09F 9/33** (2006.01); **G09F 23/00** (2006.01); **G09F 23/04** (2006.01); **H02G 3/08** (2006.01)

CPC (source: EP IL)

**G09F 9/33** (2013.01 - EP IL); **G09F 23/00** (2013.01 - EP IL); **G09F 23/04** (2013.01 - EP IL); **H02G 3/14** (2013.01 - EP IL)

Citation (search report)

See references of WO 2022214386A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022214386 A1 20221013**; CN 117157696 A 20231201; EP 4320610 A1 20240214; IL 305992 A 20231101; IT 202100008663 A1 20221007

DOCDB simple family (application)

**EP 2022058602 W 20220331**; CN 202280022593 A 20220331; EP 22718987 A 20220331; IL 30599223 A 20230918; IT 202100008663 A 20210407