

Title (en)
TOUCH INDICATOR SYSTEM AND METHOD FOR OVENS

Title (de)
BERÜHRUNGSANZEIGESYSTEM UND VERFAHREN FÜR ÖFEN

Title (fr)
SYSTÈME INDICATEUR TACTILE ET PROCÉDÉ POUR FOURS

Publication
EP 4004445 A1 20220601 (EN)

Application
EP 20844531 A 20200424

Priority
• TR 201910928 A 20190722
• TR 2020050348 W 20200424

Abstract (en)
[origin: WO2021015691A1] A touch indicator system which enables to control the ovens and to display the required information to the user, characterized in that, it comprises the following; a regulator circuit (1) which converts the voltage coming from the adapter to a level at which the relevant hardware can be used, a ring/buzzer (2) which enables audible warning at required level and tone and time according to the oven functions, a LED driver (3) which will enable LEDs located on the electronic card to operate and to light LEDs with different brightness, a thermocouple (4) which enables to measure the oven temperature and to transmit it to the microprocessor (5), a touch sensor (6) connection circuit which enables connection of the touch sensor, a power card connection circuit (7) which enables communication with the power card, rotational slider (9) which enables touch operation on the rotational axis, enables placing LEDs according to the position of the touch sensor in the rotational axis in the design of the electronic card and enables to show warning in the rotational axis by LED synchronised with the touch action), a touch button (10) which enables users to make controls in relation with the oven, a display (11) which enables to display images on the electronic hardware without using any screen by means of the LEDs on the electronic card, to position LEDs correctly and to display numbers and icons by means of driving thereof with a microprocessor (5), said buzzer (2), LED driver (3), thermocouple (4), rotational slider (9), touch button (10) and microprocessor (5) which enables to control the displays (11).

IPC 8 full level
F24C 15/02 (2006.01)

CPC (source: EP)
F24C 7/082 (2013.01)

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)
WO 2021015691 A1 20210128; EP 4004445 A1 20220601; EP 4004445 A4 20221116

DOCDB simple family (application)
TR 2020050348 W 20200424; EP 20844531 A 20200424