

Title (en)

COMMAND DEVICE FOR ELECTRICAL APPLIANCES, IN PARTICULAR FOR OVENS OR STOVETOPS

Title (de)

STEUERVORRICHTUNG FÜR ELEKTRISCHE GERÄTE, INSBESONDERE FÜR ÖFEN ODER KOCHPLATTEN

Title (fr)

SYSTÈME DE COMMANDE DES APPAREILS ÉLECTRIQUES, EN PARTICULIER DES FOURS OU DES PLAQUES DE CUISSON

Publication

EP 3165990 B1 20220824 (EN)

Application

EP 16193345 A 20161011

Priority

IT UB20154681 A 20151015

Abstract (en)

[origin: EP3165990A1] Command device for electrical appliances, in particular for ovens or stovetops, comprising a rotatable knob (3), a rotary support shaft (4) fixed at a first end (4A) thereof to the knob (3), and a control device (5) associated with the second end (4B) of the support shaft (4) in order to detect the angular position thereof. The support shaft (4) comprises at least one damping portion (40) made of elastically pliable material, susceptible of reacting with an elastic response to bending stresses transverse to the rotation axis (Y) that are transmitted by the knob (3), for example following accidental impact exerted thereon by the operator. The invention also provides for a sealing system for limiting the infiltration of liquids and powders towards the control device (5).

IPC 8 full level

F24C 3/12 (2006.01); **G05G 1/12** (2006.01); **G05G 25/04** (2006.01)

CPC (source: EP)

G05G 1/12 (2013.01); **F24C 3/126** (2013.01); **G05G 25/04** (2013.01)

Citation (examination)

- DE 102009047683 A1 20110609 - BSH BOSCH SIEMENS HAUSGERÄTE [DE]
- FR 2804240 B1 20020517 - DAV [FR]
- JP 2005259448 A 20050922 - KOJIMA PRESS KOGYO KK
- JP 2008077966 A 20080403 - SANDEN CORP

Cited by

CN112987844A; US11971176B2

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

DOCDB simple family (publication)

EP 3165990 A1 20170510; EP 3165990 B1 20220824; IT UB20154681 A1 20170415

DOCDB simple family (application)

EP 16193345 A 20161011; IT UB20154681 A 20151015