

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 A1 20170510 (EN)**

Application

**EP 16193345 A 20161011**

Priority

IT UB20154681 A 20151015

Abstract (en)

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

**G05G 1/12** (2006.01)

CPC (source: EP)

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

Citation (applicant)

DE 1907904 A1 19701008 - ODENWAELDER KUNSTSTOFFWERK DR

Citation (search report)

- [XAI] US 5732602 A 19980331 - SCHWARTZ NOAH [US]
- [XI] DE 1907904 A1 19701008 - ODENWAELDER KUNSTSTOFFWERK DR
- [X] US 2008023313 A1 20080131 - SACK JAMES A [US], et al
- [A] WO 2010105025 A1 20100916 - VICTOR EQUIPMENT CO [US], et al

Cited by

CN112987844A; KR20200087687A; US12082329B2; US11971176B2; US12042090B2

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)

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

DOCDB simple family (application)

**EP 16193345 A 20161011**; IT UB20154681 A 20151015