

Title (en)

Rotary control device with retractable knob, in particular for household appliances.

Title (de)

Drehbare Steuereinrichtung mit zurückziehbarem Drehknopf, insbesondere für Haushaltsgeräte.

Title (fr)

Dispositif de contrôle rotatif avec bouton rétractable, en particulier pour appareils ménagers.

Publication

EP 0102332 A2 19840307 (EN)

Application

EP 83830171 A 19830826

Priority

- IT 5363182 A 19820826
- IT 5363282 A 19820826

Abstract (en)

A rotary control knob with a first protruding work position and a second retracted rest position has no need that the support panel on which it is mounted, especially a dish-washing machine door, has a thickness such as required to allow housing a two-steps operated restraint device. The control knob is integral with an axially slidable control shaft, which does not rotate with respect to the rotating portion of the machine component to be controlled. The same shaft is connected at a point situated backward of the control knob, to the two-steps operated device which in a first embodiment is housed in a hollow part of the rotating portion of the machine component to be controlled and, according to a second embodiment, is linked to the rear end of the control shaft passing through the said component.

IPC 1-7

H01H 25/06; **H01H 13/56**; **H01H 43/00**

IPC 8 full level

G05G 1/08 (2006.01); **H01H 13/56** (2006.01); **H01H 25/06** (2006.01); **H01H 43/00** (2006.01)

CPC (source: EP)

G05G 1/087 (2013.01); **H01H 13/562** (2013.01); **H01H 25/06** (2013.01); **H01H 43/00** (2013.01); **H01H 2003/085** (2013.01)

Citation (applicant)

- GB 2088639 A 19820609 - ALPS ELECTRIC CO LTD
- US 3557637 A 19710126 - TOMCZAK EUGENE

Cited by

EP0626705A3; EP0671681A1; EP1892602A1; EP0797052A1; EP2217312A4; EP0860847A3; GB2236380A; GB2236380B; EP1128407A3; EP0778511A1; EP0644402A1; US5438172A; GB2248120A; US5191471A; GB2248120B; WO2009059359A1; WO9722984A3; US10739011B2; US11280498B2; US8944057B2; US9072848B2; US10046128B2; US10149952B2; US11298483B2

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0102332 A2 19840307; **EP 0102332 A3 19850814**; **EP 0102332 B1 19890315**; **EP 0102332 B2 19930901**; AU 1734483 A 19840301; DE 3379435 D1 19890420

DOCDB simple family (application)

EP 83830171 A 19830826; AU 1734483 A 19830727; DE 3379435 T 19830826