

Title (en)
Rotatable and retractable knob.

Title (de)
Versenkbarer Drehknebel.

Title (fr)
Bouton rotatif et escamotable.

Publication
EP 0173820 A1 19860312 (DE)

Application
EP 85108403 A 19850706

Priority
DE 3427378 A 19840725

Abstract (en)
1. A retractable rotary-knob unit for adjusting the switching or control devices disposed behind a switch panel in domestic appliances such as cookers, washing machines or the like, which comprises a rotary knob (1), a compression spring acting in the axial direction on the rotary knob (1), a sleeve-like sliding member (2) formed on the rotary knob (1), a guide sleeve (3) fitted into the sliding member (2) and having a central socket insert (4), and a closed channel (6) provided at one wall side (5) of the guide sleeve and having a detent position (7) for a sliding pin (9), characterised by the following features : the sliding pin (9) is part of a movably mounted separate holder (10), the holder (10) is provided with a pivot pin (11), the pivot pin (11) is guided for pivoting in a bearing (12) provided in the rotary knob (1), associated with the top of the holder (10) is a spring element (13) which is supported against the inner wall of the sliding member (2) and holds the sliding pin (9) in engagement with the channel (6), the spring element (13) is coupled to the pivot pin (11) of the holder (10).

Abstract (de)
Versenkbarer Drehknebel (1) zum Einstellen für die hinter einer Schalterblende angeordneten Schalt- und Regeleinrichtungen in Haushaltsgeräten, wie Herde, Waschmaschinen oder, dgl., der unter der Einwirkung einer in Achsrichtung wirkenden Druckfeder gehalten ist. Der Drehknebel (1) ist bei zusammengedrückter Druckfeder mittels eines in der Raststellung in einer geschlossenen Nutbahn (6) eingerasteten Gleitstiftes (9) in Versenkstellung fixiert. Die Versenkstellung des Drehknobels (1) ist durch Antippen des Drehknobels auslösbar, wobei dieser durch Entspannen der Druckfeder in seine Betriebsstellung vor der Schalterblende bringbar ist. Um mechanische Abnutzungen an der Nutbahn (6) zu vermeiden, ist der Gleitstift (9) beweglich gehalten und wird mittels eines Federelementes (13) in die Nutbahn (6) gedrückt

IPC 1-7
G05G 1/08

IPC 8 full level
G05G 1/08 (2006.01); **H01H 13/56** (2006.01)

CPC (source: EP)
G05G 1/087 (2013.01); **H01H 13/562** (2013.01); **H01H 2003/085** (2013.01)

Citation (search report)
• [YD] DE 2250621 A1 19740418 - STANDARD ELEKTRIK LORENZ AG
• [Y] US 3187602 A 19650608 - GEOFFREY COUSINS RICHARD
• [A] US 3557637 A 19710126 - TOMCZAK EUGENE
• [A] DE 1213194 B 19660324 - L ISOSTAT FA
• [A] FR 2447060 A1 19800814 - THOMSON BRANDT

Cited by
EP1061429A1; EP2469551A3; EP0671681A1; FR2698459A1; GB2236380A; GB2236380B; US6410871B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 3427378 A1 19860130; DE 3573181 D1 19891026; EP 0173820 A1 19860312; EP 0173820 B1 19890920

DOCDB simple family (application)
DE 3427378 A 19840725; DE 3573181 T 19850706; EP 85108403 A 19850706