

Title (en)
Control device with a semi-rotary thumbwheel

Title (de)
Steuervorrichtung mit Flügelrad

Title (fr)
Dispositif de commande à molette semi-rotative

Publication
EP 2141718 A1 20100106 (FR)

Application
EP 08159550 A 20080702

Priority
EP 08159550 A 20080702

Abstract (en)
The device (10) has a control thumbwheel (12) mounted pivotably with respect to a case (14) between two extreme angular switching positions. The thumbwheel controls pivoting of a latch (46) from an intermediate rest state towards two stable states corresponding to the positions. The latch has support portions for switching electrical pressure switches (34) of a printed circuit board (20) in the switching positions, respectively. The thumbwheel and the latch are mounted on a common base (48) connected to the case. The thumbwheel, the latch and the base form an independent control module (50). The switches are formed in a sheet (30) that is made of flexible material such as silicone.

Abstract (fr)
Dispositif de commande électrique (10) comportant une molette de commande (12) qui est montée pivotante par rapport à un support (14), la molette (12) commandant le pivotement d'une bascule (46) depuis un état intermédiaire de repos vers deux états basculés dans lesquels respectivement une première et une seconde portions d'appui (68, 70) de la bascule (46) provoquent respectivement la commutation d'un premier et d'un second commutateurs électriques (34), caractérisé en ce que la molette (12) et la bascule (46) sont montés sur un socle (48) commun qui est rapporté sur le support (14), et en ce que la molette (12), la bascule (46), et le socle (48) forment un module de commande (50) indépendant.

IPC 8 full level
H01H 23/16 (2006.01); **H01H 23/20** (2006.01); **H01H 23/28** (2006.01); **H01H 23/30** (2006.01)

CPC (source: EP)
H01H 23/168 (2013.01); **H01H 23/20** (2013.01); **H01H 23/28** (2013.01); **H01H 23/30** (2013.01); **H01H 3/50** (2013.01); **H01H 3/60** (2013.01); **H01H 2231/026** (2013.01)

Citation (applicant)
EP 1760742 A2 20070307 - ALPS ELECTRIC CO LTD [JP]

Citation (search report)
• [DA] EP 1760742 A2 20070307 - ALPS ELECTRIC CO LTD [JP]
• [A] DE 19537296 A1 19960411 - ALPS ELECTRIC CO LTD [JP]
• [A] GB 2046999 A 19801119 - RAU SWF AUTOZUBEHOER
• [A] DE 102006040304 A1 20080313 - TEETRONIC GMBH [DE]

Cited by
CN112086308A; EP3375326A4; CN110520955A; EP3869530A1; US11510488B2; WO2018210385A1; US11482388B2; US11594384B2; US11206919B2; US11712110B2; US10602839B2; US11259630B2

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