

Title (en)
Temperature control switch.

Title (de)
Temperaturregelschalter.

Title (fr)
Interrupteur de thermorégulation.

Publication
EP 0018469 A1 19801112 (DE)

Application
EP 80100722 A 19800213

Priority
DE 2917813 A 19790503

Abstract (en)
1. Temperature regulating switch (1) for domestic refrigerators with two different temperature regulating ranges and at least one electrical switch contact (2, 3), which is actuatable for a certain temperature range by an element (15), which changes its shape in the case of temperature fluctuations, and by a setting device which is displaceable limited by end abutments (12, 14), and with an overridable detent device (4, 6), which is associated with the setting device in the displacement path (13, 9, 11) between the end abutments (12, 14) and has a respective free displacement path portion (11, 13) in front of and behind the detent, characterised thereby, that the detent device (4, 6) is associated with the middle region (9) of the displacement path (13, 9, 11) and displays a cam, which is formed in known manner by a depression (6) at the periphery of the detent device (4, 6) and into which engages a spring-loaded switch pin (4) connected with an on-off-switch contact (2), and that the displacement path (13, 9, 11) displays a portion of constant radius as middle region (9) in the rotational angle (10) corresponding to the length of the depression (6) representing the cam.

Abstract (de)
Bei einem Temperaturregelschalter mit wenigstens einem elektrischen Schaltkontakt (3), der von einem bei Temperaturschwankungen seine Form ändernden Element und von einer durch Endanschläge (12,14) begrenzt verstellbaren Einstellvorrichtung betätigbar ist, durch deren Verstellweg der Temperaturregelbereich bestimmt ist, insbesondere für Haushaltskühlgeräte, ist die Einstellvorrichtung im Verstellweg zwischen den Endanschlägen (12,14) einer überfahrbaren Rastvorrichtung (4,6) zugeordnet und vor und nach der Rastvorrichtung (4,6) je eine freie Verstellstrecke (11,13) für unterschiedliche Temperaturbereiche vorgesehen.

IPC 1-7
H01H 37/12; **H05B 1/02**

IPC 8 full level
H01H 37/12 (2006.01); **H01H 89/04** (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP)
H01H 37/12 (2013.01); **H01H 89/04** (2013.01); **H05B 1/0252** (2013.01)

Citation (search report)
• CH 391057 A 19650430 - ELCALOR AG [CH]
• [A] AU 58668 B
• [A] DE 1565846 A1 19700514 - SIEMENS ELEKTROGERAETE GMBH
• [A] US 2919337 A 19591229 - BROSSEAU JOSEPH E, et al

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FR GB IT

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EP 0018469 A1 19801112; **EP 0018469 B1 19830223**; DE 2917813 A1 19801106

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EP 80100722 A 19800213; DE 2917813 A 19790503