

Title (en)

SETTING DEVICE FOR A SIGNALLING CLOCK, ESPECIALLY AN ALARM CLOCK

Publication

EP 0029576 A3 19811014 (DE)

Application

EP 80107172 A 19801119

Priority

DE 2947244 A 19791123

Abstract (en)

[origin: CA1149620A] A device for setting the time of actuation of a buzzer or other signal generator in an alarm clock comprises a flexible stem of a manually operable knob, rotatably journaled in two mounting plates, which carries a pinion normally engaging gear teeth of a disk freely rotatable about the hour shaft of the clockwork, the disk being under axial spring pressure urging it against an adjacent hour wheel which has one or more outcuts adapted to receive respective sawtooth-shaped cams on a confronting disk face when the wheel reaches the selected angular position. The user may turn the knob in either direction to advance or delay the selected time setting, except that any delay of 12 hours or more from the time of resetting is prevented by the interengagement of a steep cam flank with an edge of the associated cutout. If the user nevertheless turns the knob beyond that limit, the stem yields laterally and disengages its pinion from the disk teeth to obviate any damage to the mechanism.

IPC 1-7

G04B 23/02; **G04C 23/02**

IPC 8 full level

G04B 23/02 (2006.01)

CPC (source: EP US)

G04B 23/021 (2013.01 - EP US)

Citation (search report)

- FR 2030073 A1 19701030 - JUNGHANS GMBH GEB
- [X] DE 1730087 U 19560913 - DIEHL G M B H [DE]
- DE 1627950 U 19510906 - E H HELMUT JUNGHANS UND GEBRUE [DE]
- [X] US 3905189 A 19750916 - SIEFERT ROLAND, et al
- CH 1489866 D

Cited by

GB2178565A; DE3525598C1

Designated contracting state (EPC)

BE CH FR GB IT LI NL

DOCDB simple family (publication)

EP 0029576 A2 19810603; **EP 0029576 A3 19811014**; **EP 0029576 B1 19850918**; CA 1149620 A 19830712; DE 2947244 A1 19810527; DE 2947244 C2 19941020; DE 2947244 C3 19941020; US 4400094 A 19830823

DOCDB simple family (application)

EP 80107172 A 19801119; CA 365178 A 19801121; DE 2947244 A 19791123; US 20927580 A 19801121