

Title (en)
TIME SWITCHING DEVICE

Publication
EP 0056863 B1 19840919 (DE)

Application
EP 81110562 A 19811218

Priority
DE 3102725 A 19810128

Abstract (en)
[origin: EP0056863A2] 1. A time switch device with a switch clock having a time dial (1) and programmable switching slide contacts (2) thereon with switching cams (3) which via a star wheel (4) actuate a first control shaft (5) in accordance with a switching programme, so that said control shaft switches an electric switching device (7) on, off or over at preselectable times, characterized in that a second control shaft (9) is provided which is connected via a transmission gearing (8) to the first control shaft (5) ; that on the second control shaft (9) there is arranged a ratchet wheel (10) of a drive switching mechanism having at least one tooth (11) ; and that as a result of the actuation of the first control shaft (5) in accordance with the switching programme, via the transmission gearing (8) the second control shaft (9) and thus a tooth (11) of the ratchet wheel (10) is brought into the range of engagement of a continuously oscillating pawl (12) of the drive switching mechanism, which pawl subsequently rotates the second control shaft (9) having a switching cam (13) arranged thereon, by an angular amount for a relatively short length of time, so that the switching cam (13) actuates an adjacent contact arrangement (15) in pulsed fashion.

IPC 1-7
H01H 43/10

IPC 8 full level
H01H 43/10 (2006.01)

CPC (source: EP)
H01H 43/10 (2013.01)

Cited by
GB2130449A

Designated contracting state (EPC)
CH FR GB IT LI

DOCDB simple family (publication)
EP 0056863 A2 19820804; EP 0056863 A3 19820818; EP 0056863 B1 19840919; DE 3102725 A1 19820902

DOCDB simple family (application)
EP 81110562 A 19811218; DE 3102725 A 19810128