

Title (en)

COMBINATION LOCK FOR A SAFE WITH A PLURALITY OF DIALS

Publication

**EP 0139026 B1 19880622 (DE)**

Application

**EP 83110400 A 19831019**

Priority

EP 83110400 A 19831019

Abstract (en)

[origin: US4602491A] The combination lock includes several encoding buttons, a latch plate is slidably movable between two terminal positions and has a plurality of locking pins; a plurality of lock disks each have on one side a radial groove for respectively engaging the locking pins or being disengaged therefrom, each disk further having on its outer side a diametrical groove in which respective slide locks are permitted to slide, an encoding release slide moves said slide locks; a plurality of gears are respectively connected to the encoding buttons and positioned for engagement with the slide locks, the gears are prevented from turning, thereby preventing the encoding buttons from being turned when the respective slide lock engages the gear and the locking pins are situated in the respective radial grooves, the gears are coupled to the lock disks when the locking pins are out of the respective radial grooves, the release slide when moving the slide locks decouples the lock disks from the gears and the encoding button; and resiliently biased tumblers are associated with the gears such that the gears are releasable only in the end positions of said latch plate.

IPC 1-7

**E05B 37/12**

IPC 8 full level

**E05B 37/12** (2006.01)

CPC (source: EP US)

**E05B 37/12** (2013.01 - EP US); **Y10T 70/7271** (2015.04 - EP US); **Y10T 70/7333** (2015.04 - EP US)

Cited by

CN113323511A; FR2719864A1; DE3605859A1; EP0662557A3; US4953683A

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DOCDB simple family (publication)

**EP 0139026 A1 19850502**; **EP 0139026 B1 19880622**; AT E35299 T1 19880715; DE 3377149 D1 19880728; JP H0577835 B2 19931027; JP S60168880 A 19850902; US 4602491 A 19860729

DOCDB simple family (application)

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