Title (en)

Alarm clock control mechanism

Title (de)

Betätigungsmechanismus eines weckers

Title (fr)

Mécanisme de commande d'un réveil

Publication

**EP 2073076 B1 20120613 (FR)**

Application

**EP 07150255 A 20071220**

Priority

EP 07150255 A 20071220

Abstract (en)

[origin: EP2073076A1] The mechanism has a time cam and a cam follower (8). Manual adjusting units (25) are arranged to adjust an angular position relating to the time cam and the cam follower. A programming wheel (7) and a triggering wheel (4) has same rotational axis (17) as that of the time cam. The wheel is connected to the units (25), and the wheel (4) includes a circular tooth (5) that cooperates with an alarm trigger (30). The cam follower is mounted in a movable manner on the wheel (7), and is connected to the wheel (4) in a manner to pivot with respect to the wheel (7) when the follower is displaced.

IPC 8 full level

**G04B 23/02** (2006.01)

CPC (source: EP KR US)

**G04B 23/021** (2013.01 - KR); **G04B 23/025** (2013.01 - EP KR US)

Cited by

CN102236319A; WO2022022828A1; WO2022022827A1; WO2022022829A1; WO2022022826A1; WO2022022825A1; WO2022022823A1; WO2022022824A1; WO2022022822A1; EP3945374A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2073076 A1 20090624**; **EP 2073076 B1 20120613**; CN 101488005 A 20090722; CN 101488005 B 20120620; HK 1134557 A1 20100430; JP 2009150890 A 20090709; JP 5408987 B2 20140205; KR 20090067103 A 20090624; SG 153781 A1 20090729; US 2009161497 A1 20090625; US 7613077 B2 20091103

DOCDB simple family (application)

**EP 07150255 A 20071220**; CN 200810189567 A 20081219; HK 10100197 A 20100108; JP 2008321854 A 20081218; KR 20080129921 A 20081219; SG 2008094559 A 20081219; US 33920208 A 20081219