

Title (en)
Timepiece with Grand Strike

Title (de)
Uhr mit grossem Schlagwerk

Title (fr)
Pièce d'horlogerie à grande sonnerie

Publication
EP 1760553 A1 20070307 (FR)

Application
EP 05405511 A 20050901

Priority
EP 05405511 A 20050901

Abstract (en)
The timepiece has an hour rack (37) with teeth (37c) driven by a striking gear train, where the rack is connected to a return spring (40). The spring applies a torque constantly to the rack to rotate it in the direction of an hour rack cam. The teeth are engaged with a free pinion (44) coaxial to a striking mobile (3b) of the train. A pinion (45), identical and coaxial to the pinion (44), is mounted on a staff of the mobile. The pinions (44, 45) are integrated in rotation by a clutch pinion (47) engaged with the pinions (44, 45) and fixed to a clutch rocker associated to a release lever.

IPC 8 full level
G04B 21/12 (2006.01)

CPC (source: EP)
G04B 21/12 (2013.01)

Citation (search report)
• [A] EP 1429214 A1 20040616 - ROTH & GENTA HAUTE HORLOGERIE [CH]
• [A] CH 689337 A5 19990226 - PATEK PHILIPPE SA [FR]

Cited by
WO2012004224A1; CH703406A1; US9098068B2

Designated contracting state (EPC)
CH DE FR LI

Designated extension state (EPC)
AL BA HR MK YU

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