

Title (en)  
Modular clock movement with functional modules

Title (de)  
Modulares Uhrwerk mit funktionellen Modulen

Title (fr)  
Mouvement d'horlogerie modulaire à modules fonctionnels

Publication  
**EP 2605079 A1 20130619 (FR)**

Application  
**EP 11193174 A 20111213**

Priority  
EP 11193174 A 20111213

Abstract (en)  
The movement has a mechanical functional module for performing a particular timepiece function, which is irreversibly pre-adjusted by irreversible securing of adjustment and assembling components comprised in the functional module after a particular horological function is adjusted and checked on a test bench. The mechanical functional module is irreversibly secured to a plate (10) comprised in the movement or comprised in another functional module of the movement, or irreversibly secured to the latter functional module comprised in the movement. The functional module is selected from a group consisting of motor module, gear train module, time-setting and winding module, regulating module, self-winding module and display module.

Abstract (fr)  
Mouvement d'horlogerie (100) sous forme d'ensemble modulaire. Il comporte au moins un module fonctionnel (1) pour l'exécution d'une fonction horlogère particulière pré-réglé de façon irréversible par la fixation irréversible de composants de réglage ou/et d'assemblage (9) que comporte ledit module fonctionnel (1) après un réglage et un contrôle fonctionnel de ladite fonction horlogère particulière réalisés au banc d'essai, et ledit au moins un module fonctionnel (1) pré-réglé est fixé de façon irréversible sur une platine (10) que comporte ledit mouvement (100) ou un autre module fonctionnel (1) pré-réglé que comporte ledit mouvement (100), ou bien est fixé de façon irréversible sur un autre module fonctionnel (1) pré-réglé que comporte ledit mouvement (100).

IPC 8 full level  
**G04B 5/00** (2006.01); **G04B 1/00** (2006.01); **G04B 13/00** (2006.01); **G04B 19/00** (2006.01); **G04B 27/00** (2006.01); **G04B 29/04** (2006.01); **G04B 33/00** (2006.01)

CPC (source: EP KR RU US)  
**G04B 1/00** (2013.01 - EP US); **G04B 5/00** (2013.01 - EP US); **G04B 13/00** (2013.01 - EP US); **G04B 15/00** (2013.01 - KR); **G04B 15/14** (2013.01 - US); **G04B 19/00** (2013.01 - EP US); **G04B 19/04** (2013.01 - KR); **G04B 19/24** (2013.01 - US); **G04B 27/00** (2013.01 - EP US); **G04B 29/00** (2013.01 - US); **G04B 29/02** (2013.01 - KR US); **G04B 29/022** (2013.01 - US); **G04B 29/04** (2013.01 - EP US); **G04B 33/00** (2013.01 - EP RU US); **G04F 7/08** (2013.01 - KR)

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DOCDB simple family (publication)  
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**EP 11193174 A 20111213**; CN 201210540077 A 20121213; CN 201410374857 A 20121213; EP 14170772 A 20111213; HK 15104060 A 20150427; JP 2012272087 A 20121213; JP 2014026377 A 20140214; JP 2014026379 A 20140214;

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