

Title (en)

Self-winding watch

Title (de)

Uhrwerk mit Schwungmassen-Selbstaufzug

Title (fr)

Montre à remontage automatique

Publication

**EP 1046965 B1 20040818 (FR)**

Application

**EP 99810342 A 19990423**

Priority

EP 99810342 A 19990423

Abstract (en)

[origin: EP1046965A1] Automatic rewind mass (1) rotates around a ball bearing (3), with a reduction gear chain to transmit the bi-directional rotational movement to a barrel shaft with an inverter mechanism to convert the bi-directional movement to unidirectional movement of the barrel shaft. The central part of the rewind mass is shaped to support the inverter mechanism surrounded by the ball race of the ball bearing (3). One ball race (3a) surrounds the inverter mechanism the other (3b) is integral with the detachable means of positioning of watch frame (6).

IPC 1-7

**G04B 5/14**; **G04B 5/02**

IPC 8 full level

**G04B 5/19** (2006.01); **G04B 5/14** (2006.01)

CPC (source: EP US)

**G04B 5/14** (2013.01 - EP US); **G04B 11/008** (2013.01 - EP)

Cited by

EP4198640A1; EP2302468A1; CN109917632A; CN106483816A; CH709348A1; CH701883A1; CN100362252C; EP2897000A1; CN104777739A; US9158283B2; WO2011092153A1; WO2004020854A1; US9811053B2

Designated contracting state (EPC)

CH DE FR GB LI

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**EP 1046965 A1 20001025**; **EP 1046965 B1 20040818**; DE 69919509 D1 20040923; DE 69919509 T2 20050901; JP 2000321370 A 20001124; JP 4047516 B2 20080213; US 6409379 B1 20020625

DOCDB simple family (application)

**EP 99810342 A 19990423**; DE 69919509 T 19990423; JP 2000127671 A 20000424; US 54207700 A 20000403