

Title (en)

WINDING ASSEMBLY WITH MOIRE EFFECT FOR AUTOMATIC MOVEMENT OF A TIMEPIECE

Title (de)

AUFZUGSEINHEIT MIT MOIRÉ-EFFEKT FÜR AUTOMATISCHES UHRWERK

Title (fr)

ENSEMBLE DE REMONTAGE A EFFET MOIRE POUR MOUVEMENT AUTOMATIQUE DE PIECE D'HORLOGERIE

Publication

EP 3839647 B1 20231011 (FR)

Application

EP 19217903 A 20191219

Priority

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Abstract (en)

[origin: CN113009803A] A moire-effect winding assembly 1, 10 for an automatic timepiece movement includes an oscillating winding mass 3, 13 which is movable relative to the movement 2. The winding mass 3, 13 is to be mounted to rotate on an axis 25 of the movement 2. Part of the winding mass 3, 13 forms a heavy part allowing the mass to oscillate in response to the movement of the timepiece and to the force of gravity. The assembly also includes an element 4, 14 that is stationary relative to the movement 2. The stationary element 4, 14 is arranged under the winding mass 3, 13. The winding mass 3, 13 at least partly displaces above the stationary element 4, 14. The stationary element 4, 14 includes a first relief pattern and the winding mass 3, 13 includes a plurality of through openings 28 defining a second pattern, so as to create a dynamic moire effect when the winding mass 3, 13 displaces above the stationary element 4, 14.

IPC 8 full level

G04B 5/16 (2006.01); **G04B 45/00** (2006.01)

CPC (source: CN EP US)

G04B 5/04 (2013.01 - CN); **G04B 5/10** (2013.01 - US); **G04B 5/16** (2013.01 - EP US); **G04B 45/0007** (2013.01 - US); **G04B 45/0015** (2013.01 - EP); **G04B 45/02** (2013.01 - CN)

Cited by

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EP 3839647 A1 20210623; **EP 3839647 B1 20231011**; CN 113009803 A 20210622; CN 113009803 B 20220614; JP 2021099311 A 20210701; JP 6902149 B2 20210714; US 11061371 B1 20210713; US 2021191324 A1 20210624

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