

Title (en)
RESONATOR WITH A HIGH QUALITY FACTOR FOR A MECHANICAL WATCH

Title (de)
QUALITATIV HOCHWERTIGER RESONATOR FÜR MECHANISCHE ARMBANDUHR

Title (fr)
RESONATEUR A HAUT FACTEUR DE QUALITE POUR MONTRE MECANIQUE

Publication
EP 3312682 B1 20190220 (FR)

Application
EP 16194286 A 20161018

Priority
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Abstract (en)
[origin: US2018107164A1] Movement including an escapement mechanism and a resonator including an inertial element subjected to the action of a flexible gimbal and cooperating with an escape wheel set pivoting about a main axis, which includes driving means cooperating in a continuous transmission of motion with complementary means of the inertial element in every angular position of the latter, the flexible gimbal tending to return these complementary means towards the main axis, and including elastic return means about axes orthogonal to the main axis and restricting the mobility of the inertial element in two rotational degrees of freedom, about a fixed position of the centre of inertia of the inertial element with respect to a plate.

IPC 8 full level
G04B 17/04 (2006.01)

CPC (source: CH CN EP RU US)
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G04B 17/04 (2013.01 - CH CN US); **G04B 17/045** (2013.01 - CN EP US); **G04B 17/06** (2013.01 - CN); **G04B 17/063** (2013.01 - CN);
G04B 17/08 (2013.01 - CN); **G04B 17/26** (2013.01 - CN EP US); **G04B 17/28** (2013.01 - CN EP US); **G04B 17/32** (2013.01 - CH);
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Designated contracting state (EPC)
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