

Title (en)
REGULATOR SYSTEM FOR MECHANICAL WATCH

Title (de)
REGLERSYSTEM FÜR EINE MECHANISCHE UHR

Title (fr)
SYSTÈME RÉGULATEUR POUR MONTRE MÉCANIQUE

Publication
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Application
EP 14741892 A 20140722

Priority
• CH 13542013 A 20130805
• EP 2014065736 W 20140722

Abstract (en)
[origin: WO2015018636A2] The present invention relates to regulator organs for a mechanical timepiece, specifically a system based on the magnetic interaction between a resonator, for example in the form of a tuning fork, and an escapement wheel. The system is characterised in that there are several magnetic interaction zones (25) and (26) between the resonator (14) and the escapement wheel (9) that are arranged such that the torques produced at the escapement wheel by those interactions compensate each other if the escapement wheel is not synchronised with the frequency of the resonator. This results in a negligible torque on the escapement wheel when the latter rotates slowly in the direction of the arrow (24) or in the opposite direction. This makes it possible to start the timepiece at a low torque of the barrel spring and without a launch procedure or device and allows better resistance of the timepiece to withstand a loss of synchronisation in case of impact.

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G04C 5/00 (2006.01)

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Citation (examination)
US 3208287 A 19650928 - KAZUO ISHIKAWA, et al

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