

Title (en)
TIMEPIECE REGULATOR MECHANISM WITH HIGH QUALITY FACTOR AND WITH MINIMUM LUBRICATION

Title (de)
EINSTELLMECHANISMUS EINER UHR MIT HOHEM QUALITÄTSFAKTOR UND MINIMALER SCHMIERUNG

Title (fr)
MÉCANISME RÉGULATEUR D'HORLOGERIE À HAUT FACTEUR DE QUALITÉ ET À LUBRIFICATION MINIMALE

Publication
EP 3783445 B1 20230614 (FR)

Application
EP 19193107 A 20190822

Priority
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Abstract (en)
[origin: US2021055695A1] A horological regulator mechanism including a resonator mechanism having a virtual pivot and flexure bearing, with a quality factor greater than 1,000, the inertial element whereof indirectly cooperates with a free escapement mechanism, during the operating cycle whereof the resonator mechanism has at least one phase of freedom wherein it is not in contact with the escapement mechanism, this regulator mechanism comprises a pair of components including rubbing surfaces arranged to cooperate and be in contact with one another, whereby the first rubbing surface is formed by the surface of an element comprising silicon carbide.

IPC 8 full level
G04B 15/14 (2006.01); **G04B 17/04** (2006.01)

CPC (source: CN EP KR US)
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Cited by
EP4303666A1; EP4113220A1

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