

Title (en)  
TIMEPIECE OSCILLATOR WITH FLEXIBLE PIVOT

Title (de)  
OSZILLATOR EINER UHR MIT FLEXIBLEM ZAPFEN

Title (fr)  
OSCILLATEUR HORLOGER A PIVOT FLEXIBLE

Publication  
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Application  
**EP 21737500 A 20210707**

Priority  
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Abstract (en)  
[origin: WO2022009102A1] The invention relates to a timepiece oscillator with a flexible pivot, comprising a support member (1), a balance wheel (2) and first and second resilient blades (4, 5) which are arranged to guide the balance wheel (2) in terms of rotation relative to the support member (1) about a virtual rotation axis (A) and to apply a restoring torque to the balance wheel (2). The first and second resilient blades (4, 5) extend in parallel planes and intersect each other without contact. The balance wheel (2) comprises a fellow (12) of generally symmetrical shape relative to the virtual rotation axis (A) and is assembled between an upper piece (6) and a lower piece (7), the upper piece (6) comprising an upper stage (8) of the support member (1) and the first resilient blade (4), the lower piece (7) comprising a lower stage (10) of the support member (1) and the second resilient blade (5).

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