

Title (en)
TIMEPIECE COMPONENT WITH A FLEXIBLE PIVOT

Title (de)
UHRKOMPONENTE MIT FLEXIBLEM ZAPFEN

Title (fr)
COMPOSANT HORLOGER À PIVOT FLEXIBLE

Publication
EP 3555708 B1 20210303 (FR)

Application
EP 17809039 A 20171117

Priority
• EP 16204655 A 20161216
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Abstract (en)
[origin: WO2018109584A1] The timepiece component with a flexible pivot (1) comprises an attachment portion (2), a movable portion (3) and first and second resilient blades (4, 5) connecting the attachment portion (2) and the movable portion (3). The first and second resilient blades (4, 5) extend in respective parallel planes and cross each other without contact to define a virtual axis of rotation (A) of the movable portion (3) with respect to the attachment portion (2). At least one of the first and second resilient blades (4, 5) has a stiffness that varies in a strictly monotonous manner over at least one continuous portion of the blade representing 25% of the length of the blade. In one variant, at least one of the first and second resilient blades (4, 5) has a stiffness that varies in a monotonous manner from one end of the blade to the other. In another variant, at least one of the first and second resilient blades (4, 5) has a thickness that varies linearly from one end of the blade to the other.

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G04B 17/04 (2006.01)

CPC (source: EP)
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