

Title (en)
PIVOTING SHAFT FOR A REGULATING ORGAN

Title (de)
SCHWENKACHSE EINES REGULIERORGANS

Title (fr)
AXE DE PIVOTEMENT D'UN ORGANE RÉGLANT

Publication
EP 3800511 A1 20210407 (FR)

Application
EP 19201109 A 20191002

Priority
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Abstract (en)
[origin: CN112596363A] The invention relates to a timepiece component for a timepiece movement, and in particular to a pivot mandrel of an adjustment member of a mechanical timepiece movement. The pivot mandrel is made of an alloy comprising the following components by weight: 25% to 55% of palladium; 25% to 55% of silver; 10% to 30% of copper; 0.5% to 5% of zinc; two elements of gold and platinum with a total content of 15% to 25%; 0% to 1% of one or two elements selected from the group consisting of boron and nickel; 0% to 3% of one or two elements selected from rhenium and ruthenium; no more than 0.1% of one or more elements selected from iridium, osmium and rhodium; and no more than 0.2% of other impurities, the sum of the amounts of the components being set to no more than 100%. The invention also relates to a method for producing a timepiece component for a timepiece movement.

Abstract (fr)
La présente invention se rapporte à un composant horloger pour mouvement horloger, et notamment axe de pivotement d'un organe réglant d'un mouvement mécanique horloger, réalisé dans un alliage comprenant en poids :- entre 25% et 55% de palladium,- entre 25% et 55% d'argent,- entre 10% et 30% de cuivre,- entre 0.5% et 5% de zinc,,de l'or et du platine avec un pourcentage total de ces deux éléments compris entre 15% et 25%,- entre 0% et 1% d'un ou plusieurs éléments choisis parmi bore et nickel,- entre 0% et 3% d'un ou plusieurs éléments choisis parmi le rhénium et le ruthénium- au maximum 0,1% d'un ou plusieurs éléments choisis parmi l'iridium, l'osmium, et le rhodium et- au maximum 0,2% d'autres impuretés les quantités respectives des composants étant telles qu'additionnées entre elles, elles ne dépassent pas les 100%. Elle se rapporte également au procédé de fabrication de ce composant horloger.

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