Title (en)

METHOD FOR ADAPTING A TIMEPIECE MOVEMENT INTENDED TO OPERATE IN ATMOSPHERIC TO THE FUNCTIONING AT A LOWER PRESSURE,.

Title (de)

VERFAHREN ZUR ANPASSUNG EINES UHRWERKS, DAS FÜR DEN BETRIEB IN EINER DRUCKATMOSPHÄRE KONZIPIERT IST, AN DER WIRKUNG IN EINER UNTERDRUCKATMOSPHÄRE

Title (fr)

PROCÉDÉ D'ADAPTATION D'UN MOUVEMENT D'HORLOGERIE PRÉVU POUR FONCTIONNER À LA PRESSION ATMOSPHÉRIQUE AMBIANTE À UN FONCTIONNEMENT DANS UNE ATMOSPHÈRE À BASSE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013084043A1] The invention relates to a method by which a timepiece movement intended to operate at ambient atmospheric pressure is adapted for operation in a low-pressure atmosphere, comprising the following steps: 1. measuring the quality factor of the movement at atmospheric pressure; 2. measuring the quality factor of the movement at a pre-determined low pressure corresponding to the operating pressure intended for the altered movement; 3. calculating the energy gain between the two measurements; 4. adapting the dimensioning of the movement according to said energy gain, in particular by altering at least one of the following movement elements, namely the reduction ratio of the watch train mechanism, the barrel torque, the overall dimensions of the barrel and the inertia of the balance.

IPC 8 full level

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