

Title (en)
THERMALLY-COMPENSATED BALANCE WHEEL

Title (de)
UNRUH MIT THERMOKOMPENSATION

Title (fr)
BALANCIER THERMOCOMPENSE

Publication
EP 1654597 B1 20091111 (FR)

Application
EP 04735863 A 20040603

Priority
• CH 2004000339 W 20040603
• CH 0300547 W 20030813
• CH 21322003 A 20031212

Abstract (en)
[origin: WO2005017631A1] The balance wheel (1) is produced by chemical etching of a sheet of material with a low thermal coefficient of expansion and a low density, such as, for example, diamond on which a number of balance weights (2, 20, 21, 22, 23, 24) are arranged. The form and position of the balance weights is determined such that the variation in the radius of gyration of the balance wheel caused by a variation in temperature is zero or negative, thus providing a balance wheel with a zero or negative thermal characteristic.

IPC 8 full level
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CPC (source: EP)
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