

Title (en)
THERMALLY-COMPENSATED BALANCE WHEEL

Title (de)
UNRUH MIT THERMOKOMPENSATION

Title (fr)
BALANCIER THERMOCOMPENSE

Publication
EP 1654597 A1 20060510 (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 1-7
G04B 17/22; **G04B 17/06**

IPC 8 full level
G04B 17/06 (2006.01); **G04B 17/22** (2006.01); **G04B 18/00** (2006.01)

CPC (source: EP)
G04B 17/063 (2013.01); **G04B 17/222** (2013.01); **G04B 18/006** (2013.01)

Citation (search report)
See references of WO 2005017631A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005017631 A1 20050224; AT E448509 T1 20091115; DE 602004024076 D1 20091224; EP 1654597 A1 20060510; EP 1654597 B1 20091111

DOCDB simple family (application)
CH 2004000339 W 20040603; AT 04735863 T 20040603; DE 602004024076 T 20040603; EP 04735863 A 20040603