

Title (en)  
TIMEPIECE RESONATOR MECHANISM

Title (de)  
RESONATORMECHANISMUS EINES UHRWERKS

Title (fr)  
MÉCANISME RÉSONATEUR D'HORLOGERIE

Publication  
**EP 3206089 B1 20181219 (FR)**

Application  
**EP 16155039 A 20160210**

Priority  
EP 16155039 A 20160210

Abstract (en)  
[origin: US2017227930A1] or more particularly between  $107+5/((D/L)-(2/3))$  and  $112+5/((D/L)-(2/3))$ , this timepiece resonator mechanism is in an advantageous variant a one-piece temperature-compensated silicon resonator.

IPC 8 full level  
**G04B 17/26** (2006.01); **G04B 17/04** (2006.01); **G04B 17/28** (2006.01)

CPC (source: CN EP RU US)  
**G04B 15/02** (2013.01 - RU US); **G04B 15/14** (2013.01 - RU US); **G04B 17/04** (2013.01 - RU US); **G04B 17/045** (2013.01 - CN EP RU US); **G04B 17/225** (2013.01 - CN RU); **G04B 17/26** (2013.01 - EP RU US); **G04B 17/28** (2013.01 - EP RU US); **G04B 17/32** (2013.01 - US); **G04B 31/02** (2013.01 - RU US)

Citation (examination)  
EP 2273323 A2 20110112 - MANUF ET FABRIQUE DE MONTRES ET DE CHRONOMETRES ULYSSE NARDIN LE LOCLE S A [CH]

Cited by  
EP3561604A1; EP4276543A1; EP3771947A1; CN112305889A; EP3451074A3; JP2019045491A; JP2019053049A; US11573532B2; EP3355130A1; EP4391348A1; EP3561603A1; WO2020016131A1; EP3982204A1; EP3667432A1; EP3561605A1; US11454933B2; EP3944027A1; EP3326963A1; EP3438762A2; EP3451072B1; EP3435172A2; EP3435171A2; EP4012506A1; EP4310599A1; EP4016193A1; EP4016194A1; EP4310601A1; EP3435170A1; EP3451073A1; EP4009113A1; EP3451072A1; EP3451074A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3206089 A1 20170816; EP 3206089 B1 20181219**; CH 712105 A2 20170815; CN 107065493 A 20170818; CN 107065493 B 20190621; EP 3355130 A1 20180801; EP 3355130 B1 20240403; JP 2017142246 A 20170817; JP 6285584 B2 20180228; RU 2017104280 A3 20200529; RU 2729625 C2 20200811; US 2017227930 A1 20170810; US 9958831 B2 20180501

DOCDB simple family (application)  
**EP 16155039 A 20160210**; CH 1732016 A 20160210; CN 201710071187 A 20170209; EP 18150706 A 20180109; JP 2017018401 A 20170203; RU 2017104280 A 20170209; US 201715410294 A 20170119