

Title (en)
Mechanical oscillator

Title (de)
Mechanischer Oszillator

Title (fr)
Oscillateur mécanique

Publication
EP 2273323 A3 20140402 (FR)

Application
EP 10166943 A 20100622

Priority
CH 10782009 A 20090710

Abstract (en)
[origin: EP2273323A2] The oscillator has an annular felloe (18) centered on an oscillation axis and mounted on an attachment portion (32) that is located on the axis. A fixation portion (10) is fixed to a frame along a clockwise direction. Elastic systems connect the felloe and the fixation portion, where the systems are suspended and free from the frame. The fixation portion is equipped with two elastic blades (34) that are connected by another attachment portion (36). Return bodies include other elastic blades (22) and are made of synthetic polycrystalline diamond or silicon covered with an oxide layer. The felloe is made of metallic material.

IPC 8 full level
G04B 17/04 (2006.01)

CPC (source: EP)
G04B 17/045 (2013.01)

Citation (search report)
• [XAI] US 3318087 A 19670509 - ROBERT FAVRE
• [XAI] CH 496267 A 19700529 - MOVADO MONTRES [CH], et al
• [A] EP 1998074 A2 20081203 - LUK LAMELLEN & KUPPLUNGSSBAU [DE]

Cited by
EP4273633A1; EP2975470A1; EP2975469A1; WO2017055987A1; WO2017055986A1; JP2018081094A; CN109690424A; CN110632838A; CN111344640A; EP4163735A1; KR20180061198A; JP2018535431A; JP2019191160A; WO2019156552A1; EP2911012A1; CH708937A1; CN105278310A; EP2887151A3; EP3457221A3; EP4009115A1; CN114578672A; JP2022088332A; JP2018081087A; EP3572885A1; CN110531604A; WO2020016131A1; US10838364B2; US10133238B2; EP3021174A1; CN107257944A; JP2017534892A; JP2019508701A; JP2019536034A; EP3992730A1; WO2016079068A1; JP2016020905A; CN105319940A; KR20170037823A; CN107065493A; FR3048792A1; EP3355130A1; RU2729625C2; US9323222B2; US9207641B2; WO2017157870A1; EP3637196A1; US11543775B2; EP3037893A1; US11029649B2; EP2887151A2; US9541902B2; JP2016020906A; EP3206089B1; EP2553533B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2273323 A2 20110112; EP 2273323 A3 20140402; EP 2273323 B1 20151216; CH 701421 A2 20110114; CH 701421 B1 20141128

DOCDB simple family (application)
EP 10166943 A 20100622; CH 10782009 A 20090710