

Title (en)  
ESCAPEMENT FOR A TIMEPIECE, WITH IMPACT PROTECTION

Title (de)  
UHRANKER MIT SCHLAGSCHUTZ

Title (fr)  
ECHAPPEMENT D'HORLOGERIE A PROTECTION CONTRE LES CHOCS

Publication  
**EP 2553532 A1 20130206 (FR)**

Application  
**EP 11719639 A 20110331**

Priority

- CH 4872010 A 20100401
- IB 2011000690 W 20110331

Abstract (en)  
[origin: WO2011121432A1] The invention relates to an escapement comprising an escape wheel (1) and a pallet (2). On the pallet (2) and/or the escape wheel (1), instead of the traditional banking or pins, the escapement comprises means (17, 18) for limiting the oscillations of the pallet (2) during the normal operation of the escapement. In order to prevent contact between the striking tip (10) of the pallet stones (6, 7) and the escape wheel (1) in the event of an impact, the escape wheel (1) comprises projections (20, 21, 22) along the periphery thereof.

IPC 8 full level  
**G04B 15/08** (2006.01); **G04B 15/14** (2006.01); **G04B 43/00** (2006.01)

CPC (source: EP US)  
**G04B 15/08** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US); **G04B 43/002** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011121432A1

Cited by  
US11640139B2

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)  
**WO 2011121432 A1 20111006**; CH 702930 A2 20111014; EP 2553532 A1 20130206; EP 2553532 B1 20180314; JP 2013524201 A 20130617; JP 5735630 B2 20150617; SG 183413 A1 20120927; US 2012307601 A1 20121206; US 8757869 B2 20140624

DOCDB simple family (application)  
**IB 2011000690 W 20110331**; CH 4872010 A 20100401; EP 11719639 A 20110331; JP 2013501977 A 20110331; SG 2012061636 A 20110331; US 201113579497 A 20110331