

Title (en)  
TILTING COUPLING DEVICE FOR TIMEPIECE

Title (de)  
KIPPKUPPLUNG FÜR UHREN

Title (fr)  
DISPOSITIF D'EMBRAYAGE BASCULANT POUR PIÈCE D'HORLOGERIE

Publication  
**EP 2957964 A3 20160608 (FR)**

Application  
**EP 15171351 A 20150610**

Priority  
CH 9332014 A 20140619

Abstract (en)  
[origin: US2015370221A1] A coupling device for timepieces that includes an entry wheel, a coupling wheel, and a first exit wheel. The coupling wheel is disposed substantially coplanar to the plane of rotation of the entry wheel and of the first exit wheel and is adapted to tilt relative to the plane of rotation to occupy a first coupling position in which the coupling wheel meshes with the first exit wheel and a second coupling position in which the coupling wheel is decoupled from the first exit wheel. The device also includes a movable element to control the change of position between the first and the second position of the coupling wheel. The coupling wheel defines an axis of rotation that can be inclined relative to the normal to the plane of rotation of the entry wheel and of the exit wheel by being mounted pivotably at each of the ends thereof.

IPC 8 full level  
**G04B 27/02** (2006.01); **G04B 27/04** (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP US)  
**G04B 27/02** (2013.01 - US); **G04B 27/023** (2013.01 - EP US); **G04B 27/04** (2013.01 - US); **G04B 27/045** (2013.01 - EP US);  
**G04B 27/06** (2013.01 - US); **G04F 7/08** (2013.01 - EP US); **G04F 7/0823** (2013.01 - US); **G04F 7/0828** (2013.01 - US);  
**G04F 7/0838** (2013.01 - EP US)

Citation (search report)

- [A] CH 644978 A3
- [A] CH 613588 A3
- [A] US 261655 A 18820725
- [A] CH 642217 A3
- [AD] EP 1288743 A1 20030305 - ISA SWISS SA [CH]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2957964 A2 20151223; EP 2957964 A3 20160608; EP 2957964 B1 20170201**; CH 709796 A1 20151231; CN 105319942 A 20160210;  
CN 105319942 B 20190326; ES 2622989 T3 20170710; HK 1215309 A1 20160819; JP 2016004046 A 20160112; JP 6614819 B2 20191204;  
US 2015370221 A1 20151224; US 9411316 B2 20160809

DOCDB simple family (application)  
**EP 15171351 A 20150610**; CH 9332014 A 20140619; CN 201510340445 A 20150618; ES 15171351 T 20150610; HK 16102435 A 20160302;  
JP 2015122729 A 20150618; US 201514743948 A 20150618