

Title (en)  
Disengaging coaxial wheels of a watch movement

Title (de)  
Koaxiale ausrückbare Räder eines Uhrwerks

Title (fr)  
Roues coaxiales débrayables d'un mouvement horloger

Publication  
**EP 3002636 B1 20170809 (FR)**

Application  
**EP 14187570 A 20141002**

Priority  
EP 14187570 A 20141002

Abstract (en)  
[origin: US2016098011A1] Device with coaxial disengageable wheels for a timepiece movement including an input wheel, an output wheel, a hub, and a jumper mechanism including a spring and positioning elements defining a certain number of discrete angular positions of the input wheel with respect to the output wheel around an axis of rotation. The positioning elements including hollow elements and protruding elements, the spring being configured to apply an elastic force pushing the protruding elements against the hollow elements to couple the wheels to each other below a disengagement torque. The protruding elements and the hollow elements extend in the axial direction and the spring is configured to apply an elastic force in the axial direction.

IPC 8 full level  
**G04B 13/00** (2006.01); **G04B 13/02** (2006.01); **G04B 19/23** (2006.01)

CPC (source: EP US)  
**G04B 11/008** (2013.01 - US); **G04B 13/002** (2013.01 - EP US); **G04B 13/023** (2013.01 - EP US); **G04B 19/235** (2013.01 - EP US); **G04B 19/2532** (2013.01 - US)

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 3002636 A1 20160406; EP 3002636 B1 20170809**; CN 105487367 A 20160413; CN 105487367 B 20180406; CN 205263489 U 20160525; HK 1223424 A1 20170728; JP 2016075677 A 20160512; JP 6193949 B2 20170906; US 2016098011 A1 20160407; US 9429913 B2 20160830

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