

Title (en)  
SHOCK ABSORBING SYSTEM WITH ANGULAR LOCKING

Title (de)  
STOSSSICHERUNGSSYSTEM MIT WINKELBLOCKIERUNG

Title (fr)  
SYSTÈME ANTICHOC À BLOCAGE ANGULAIRE

Publication  
**EP 3470934 B1 20200819 (FR)**

Application  
**EP 17195675 A 20171010**

Priority  
EP 17195675 A 20171010

Abstract (en)  
[origin: US2019107810A1] The present invention relates to a shock-absorber device for a wheel arbor of a micromechanical device comprising a support which includes a turning-arbor delimited by a rim defining a housing into which a pivot module is inserted, wherein this pivot module comprises a setting having a central orifice into which is inserted a bored stone, wherein an endstone (34) is placed on top of the bored stone, wherein the shock-absorber device also comprises a spring ring arranged between the support and the pivot module, wherein the shock-absorber device is equipped with a bayonet system for mounting the spring ring, wherein this bayonet system comprises a peripheral shoulder under which is formed a circular groove which defines a holding area, wherein the spring ring is equipped on an outer periphery with at least one catch, wherein at least one first notch which leads to the circular groove is provided in the peripheral shoulder, such that it is simply necessary to present the spring ring in such a way that the catch is engaged in the corresponding first notch, and then pivoting the spring ring so as to enable the catch to slide inside the circular groove, under the peripheral shoulder, wherein at least one second notch is machined in the peripheral shoulder, such that the catch is interlocked in this second notch, ensuring the angular pivot locking of the spring ring.

IPC 8 full level  
**G04B 31/04** (2006.01)

CPC (source: CN EP US)  
**G04B 13/021** (2013.01 - CN); **G04B 17/32** (2013.01 - CN); **G04B 31/02** (2013.01 - CN); **G04B 31/04** (2013.01 - EP US);  
**G04B 37/052** (2013.01 - US)

Cited by  
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DOCDB simple family (publication)  
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JP 6557390 B2 20190807; US 11169487 B2 20211109; US 2019107810 A1 20190411

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**EP 17195675 A 20171010**; CN 201811172481 A 20181009; JP 2018179007 A 20180925; US 201816156115 A 20181010