

Title (en)  
MECHANICAL BRAKING DEVICE FOR A CLOCK WHEEL

Title (de)  
MECHANISCHE BREMSVORRICHTUNG FÜR DREHTEIL EINER UHR

Title (fr)  
DISPOSITIF DE FREINAGE MECANIQUE POUR MOBILE HORLOGER

Publication  
**EP 3396470 B1 20200101 (FR)**

Application  
**EP 17167802 A 20170424**

Priority  
EP 17167802 A 20170424

Abstract (en)  
[origin: US2018307183A1] Timepiece mechanism comprising a structure in which at least one arbor of a wheel set is pivoted about an axis of rotation, and comprising a braking device for the mechanical braking at constant torque of this arbor, the braking device comprises a braking component which is removable with respect to the structure and comprises, for attachment thereof to the structure, a solid fellow, which carries a plurality of resilient elements, regularly distributed around a common axis about which these resilient elements each have a contact area. the contact areas together defining an opening, arranged to engage, in a press fit with elastic gripping, with the arbor, to make the common axis coincide with the axis of rotation of the arbor, and to apply to the arbor a substantially constant tangential braking force.

IPC 8 full level  
**G04B 13/02** (2006.01)

CPC (source: CN EP US)  
**G04B 13/02** (2013.01 - CN); **G04B 13/021** (2013.01 - EP US); **G04B 13/022** (2013.01 - EP US); **G04B 13/023** (2013.01 - EP US)

Citation (opposition)  
Opponent : **ROLEX SA**

- EP 3382472 A1 20181003 - ROLEX SA [CH]
- EP 2945028 A1 20151118 - MANUF ET FABRIQUE DE MONTRES ET CHRONOMÈTRES ULYSSE NARDIN LE LOCLE S A [CH]
- CH 271694 A 19501115 - EDMOND DUBOIS & FILS [CH]
- CH 376057 A 19631130 - MANUF DE MONTRES ET CHRONOMETR [CH]
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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 3396470 A1 20181031; EP 3396470 B1 20200101**; CN 108732904 A 20181102; CN 108732904 B 20200327; JP 2018185293 A 20181122; JP 6467541 B2 20190213; US 10816933 B2 20201027; US 2018307183 A1 20181025

DOCDB simple family (application)  
**EP 17167802 A 20170424**; CN 201810367679 A 20180423; JP 2018059298 A 20180327; US 201815935618 A 20180326