

Title (en)

ANNULAR RING FOR HOLDING A ROTATING BEZEL SYSTEM

Title (de)

KREISFÖRMIGER RING ZUR HALTERUNG EINES DREHBAREN AUSSENRINGSYSTEMS EINER ARMBANDUHR

Title (fr)

BAGUE ANNULAIRE DE MAINTIEN D'UN SYSTEME DE LUNETTE TOURNANTE

Publication

**EP 3543799 A1 20190925 (FR)**

Application

**EP 18162850 A 20180320**

Priority

EP 18162850 A 20180320

Abstract (en)

[origin: JP2019164131A] To provide an annular support ring capable of securing preferable brake torque between a rotation bezel and an outer wall of a middle case, controlling a noise generated in rotation of the bezel, and guiding rotation of the rotation bezel preferably, around the middle case. SOLUTION: An annular support ring 16 for a system 6 of a rotation bezel 14 is configured to cooperate with an external cylindrical surface 8 of a middle case 4 of a watch case 2, for allowing rotation of the rotation bezel 14 on the middle case 4, the annular ring 16 comprises means 26 for guiding rotation of the rotation bezel 14 around the middle case 4, the annular ring 16 further comprises means 28 for braking rotation of the rotation bezel 14 around the middle case 4 and attenuating sound of the rotation. SELECTED DRAWING: Figure 1

Abstract (fr)

L'invention concerne une bague annulaire (16) de maintien d'un système (6) de lunette tournante (14), destinée à coopérer avec une surface extérieure cylindrique (8) d'une carrure (4) de boîte de montre (2) pour permettre la rotation de la lunette tournante (14) sur la carrure (4), la bague annulaire (16) comprenant des moyens (26) de guidage en rotation de la lunette tournante (14) autour de la carrure (4) ; dans laquelle la bague annulaire (16) comprend en outre des moyens (28) configurés pour freiner la rotation de la lunette tournante (14) autour de la carrure (4) et pour amortir le son.

IPC 8 full level

**G04B 19/28** (2006.01)

CPC (source: CN EP KR US)

**G04B 19/283** (2013.01 - EP KR US); **G04B 37/0008** (2013.01 - CN); **G04B 37/225** (2013.01 - CN)

Citation (applicant)

EP 2672333 A1 20131211 - OMEGA SA [CH]

Citation (search report)

- [IA] EP 0436468 A1 19910710 - ROLEX MONTRES [CH]
- [Y] EP 2624076 A1 20130807 - MONTRES TUDOR SA [CH]
- [A] WO 2007071760 A1 20070628 - CARTIER CREATION STUDIO SA [CH], et al
- [A] EP 0770937 A1 19970502 - EBAUCHESFABRIK ETA AG [CH]
- [AD] EP 2672333 A1 20131211 - OMEGA SA [CH]

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EP3832398A1; US11442410B2; US11789408B2; EP3800514A1

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 3543799 A1 20190925; EP 3543799 B1 20230517**; CN 110308640 A 20191008; CN 110308640 B 20220128; JP 2019164131 A 20190926; JP 6847143 B2 20210324; KR 102242303 B1 20210420; KR 20190110445 A 20190930; US 11314207 B2 20220426; US 2019294115 A1 20190926

DOCDB simple family (application)

**EP 18162850 A 20180320**; CN 201910209204 A 20190319; JP 2019044507 A 20190312; KR 20190029951 A 20190315; US 201916356288 A 20190318