Title (en)

WATCH HAVING A ROTATING BEZEL WITH BEZEL LOCKING SYSTEM PROVIDED WITH AN INTEGRATED HELIUM VALVE

Title (de)

UHR MIT EINER DREHBAREN BLENDE MIT EINEM MIT EINEM INTEGRIERTEN HELIUMVENTIL VERSEHENEN BLENDENVERRIEGELUNGSSYSTEM

Title (fr)

MONTRE POURVUE D'UNE LUNETTE TOURNANTE AVEC SYSTEME DE VERROUILLAGE DE LA LUNETTE MUNI D'UNE SOUPAPE A HELIUM INTEGREE

Publication

EP 3821300 A1 20210519 (FR)

Application

EP 19732353 A 20190620

Priority

- EP 18182381 A 20180709
- EP 2019066357 W 20190620

Abstract (en)

[origin: WO2020011512A1] The invention relates to a watch, the watch case of which comprises a middle (2) and a rotating bezel (3), provided with a bezel locking system. The system comprises a rotary crown (6) which is rigidly attached to a shaft (9), the latter being arranged in a radial hole (7) in the middle. By rotating the crown (6), the user can screw or unscrew the shaft with respect to the hole. The shaft comprises a frustoconical section (12) which interacts with a pin (21) mounted perpendicularly to the shaft, and biased towards the shaft by a spring (22). By screwing the shaft (9) into the hole (7), the frustoconical section pushes the pin into a receiving space (15) provided on the inner surface of the bezel (3), which locks the bezel. The unscrewing of the shaft (9) automatically disengages the pin (21) outside of the receiving space, by virtue of a return force exerted by the spring (22). According to a preferred embodiment, the crown incorporates a helium valve mechanism.

IPC 8 full level

G04B 19/28 (2006.01)

CPC (source: EP KR US)

G04B 19/286 (2013.01 - EP KR 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3594758 A1 20200115; CN 112154380 A 20201229; CN 112154380 B 20220701; EP 3821300 A1 20210519; EP 3821300 B1 20240117; JP 2021519932 A 20210812; JP 7082213 B2 20220607; KR 20200139744 A 20201214; TW 202014812 A 20200416; TW I701531 B 20200811; US 11994830 B2 20240528; US 2021116868 A1 20210422; WO 2020011512 A1 20200116

DOCDB simple family (application)

EP 18182381 A 20180709; CN 201980033742 A 20190620; EP 19732353 A 20190620; EP 2019066357 W 20190620; JP 2020556248 A 20190620; KR 20207031380 A 20190620; TW 108121034 A 20190618; US 201917054658 A 20190620