

Title (en)
TOURBILLON AND WATCH WITH TOURBILLON

Title (de)
TOURBILLON UND UHR MIT TOURBILLON

Title (fr)
TOURBILLON ET HORLOGE POURVUE D'UN TOURBILLON

Publication
EP 3306417 A1 20180411 (DE)

Application
EP 17189774 A 20170907

Priority
CH 12452016 A 20160923

Abstract (en)
[origin: JP2018049013A] PROBLEM TO BE SOLVED: To provide a tourbillon capable of overcoming problems of conventional arts and especially having advantages of a flying tourbillon at least partially without receiving the problems, and a timepiece having the tourbillon.SOLUTION: Provided is a tourbillon 1 having a rotary cage rotatably arranged around a tourbillon shaft. The rotary cage includes a balance wheel 3, an escapement with an escape wheel 8, and a lever. The tourbillon is characterized in that the rotary cage includes a bearing ring 22; the bearing ring 22 is mounted by a bearing element 13 engaging with an operation surface 11 of the bearing ring in a circumferential direction.SELECTED DRAWING: Figure 1

Abstract (de)
Es wird ein Tourbillon (1) mit einem um eine Tourbillon-Achse drehbar angeordneten Drehgestell zur Verfügung gestellt. Das Drehgestell lagert die Unruh (3) und eine Hemmung mit einem Ankerrad (8) und einem Anker lagert. Das Tourbillon zeichnet sich dadurch aus, dass das Drehgestell ein Lagerrad (22) aufweist, welches durch peripher an einer Lauffläche (11) des Lagerrads angreifende Lagerelemente (13) gelagert ist.

IPC 8 full level
G04B 17/28 (2006.01)

CPC (source: CH CN EP KR US)
G04B 13/02 (2013.01 - KR); **G04B 17/285** (2013.01 - CH CN EP KR US)

Citation (search report)

- [XA] EP 1903408 A2 20080326 - FRANCK MUELLER WATCHLAND SA [CH]
- [XA] EP 2520985 A1 20121107 - MANUF ET FABRIQUE DE MONTRES ET DE CHRONOMETRES ULYSSE NARDIN LE LOCLE S A [CH]
- [XA] EP 1995650 A1 20081126 - BLANCPAIN SA [CH]
- [X] WO 0118611 A1 20010315 - CREAOLIC SA [CH], et al
- [X] CH 705039 A2 20121130 - PROGRESS WATCH CORP [US]

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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

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