

Title (en)  
WATCH COMPRISING DIGITAL TIME DISPLAY AND JUMP CONTROL

Title (de)  
UHR MIT DIGITALER ZEITANZEIGE UND SPRUNGSTEUERUNG

Title (fr)  
MONTRE AVEC AFFICHAGE DE L'HEURE SOUS FORME NUMERIQUE ET COMMANDE DE SAUTS

Publication  
**EP 2443525 B1 20130814 (FR)**

Application  
**EP 10730833 A 20100614**

Priority  
• IB 2010001431 W 20100614  
• FR 0902971 A 20090619

Abstract (en)  
[origin: WO2010146436A1] The invention relates to a watch comprising a digital display that includes a plurality of display discs (111, 121, 131) on which the digits (140) are distributed into three sets, i.e. a set (110) for minute units, a set (120) for tens, and a set (130) for hours, and a jump management control for enabling substantially instantaneous changes in the displayed digits. For each set, springs (8, 14, 19) are arranged in such a way that, in the operating state of the watch: the continuous rotation of the driving wheels (7, 13, 20) winds the springs on the stud side; on the collet side, each balance spring is prevented from rotating by means of locking indices (4, 10, 16) that also prevent the cage of each set from rotating; the sequential release of the cages or discs for the tens of minutes allows the discs of the sets to rotate due to the driving action of the corresponding balance spring.

IPC 8 full level  
**G04B 19/20** (2006.01)

CPC (source: EP)  
**G04B 19/202** (2013.01)

Cited by  
CN110095971A; US10579018B2

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 SE SI SK SM TR

DOCDB simple family (publication)  
**FR 2947066 A1 20101224; FR 2947066 B1 20110617**; EP 2443525 A1 20120425; EP 2443525 B1 20130814; WO 2010146436 A1 20101223

DOCDB simple family (application)  
**FR 0902971 A 20090619**; EP 10730833 A 20100614; IB 2010001431 W 20100614