

Title (en)  
Timepiece, particularly wristwatch

Title (de)  
Uhr, insbesondere Armbanduhr

Title (fr)  
Pièce d'horlogerie, notamment montre-bracelet

Publication  
**EP 0788036 A3 19980812 (FR)**

Application  
**EP 97100918 A 19970122**

Priority  
CH 26496 A 19960201

Abstract (en)  
[origin: EP0788036A2] The control mechanism for the hours and minutes display on a wrist watch includes a balance wheel (15) acting under the effect of a spring, via a ratchet wheel (18) on a cam (12) situated at the centre of the movement. This in turn is linked to the hour hand. The balance wheel (15) is lifted up progressively under the effect of the cam (12), to fall back suddenly once per hour. When the wheel makes these sudden drops, a toothed sector (23) engages a central pinion via a drive chain (24,25,26), the central pinion carrying the minute hand. Thus once per hour the minute hand is returned to its original position. The balance wheel is also linked to a pawl (30) co-operating with a star wheel with twelve branches carrying a disc indicating the hours.

IPC 1-7  
**G04B 19/02**; **G04B 19/08**

IPC 8 full level  
**G04B 19/00** (2006.01); **G04B 19/02** (2006.01); **G04B 19/08** (2006.01); **G04B 19/20** (2006.01)

CPC (source: EP US)  
**G04B 19/02** (2013.01 - EP US); **G04B 19/082** (2013.01 - EP US)

Citation (search report)

- [X] CH 27838 A 19040229 - MANTARAS GABRIEL LOPEZ [ES]
- [XA] FR 480026 A 19160607 - GUSTAVE LECOULTRE [CH]
- [X] CH 38605 A 19071115 - FERRER SALVADOR ARCADIO [ES]

Cited by  
EP0950932A1; EP1462875A3; EP3324245A1; EP2042949A1; WO2009040532A1; WO2017158527A1; US10928777B2; WO2017158536A1; US11003139B2

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DOCDB simple family (publication)  
**EP 0788036 A2 19970806**; **EP 0788036 A3 19980812**; **EP 0788036 B1 20020605**; AT E218719 T1 20020615; AU 1241697 A 19970807; AU 717562 B2 20000330; CA 2196587 A1 19970802; CH 690047 A5 20000331; DE 69712932 D1 20020711; DE 69712932 T2 20030213; DE 788036 T1 19980115; ES 2104547 T1 19971016; HK 1000498 A1 20030117; JP 4040714 B2 20080130; JP H09304552 A 19971128; SG 92605 A1 20021119; TW 318217 B 19971021; US 5784342 A 19980721

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**EP 97100918 A 19970122**; AT 97100918 T 19970122; AU 1241697 A 19970131; CA 2196587 A 19970131; CH 26496 A 19960201; DE 69712932 T 19970122; DE 97100918 T 19970122; ES 97100918 T 19970122; HK 97101952 A 19971020; JP 1945697 A 19970131; SG 1997000184 A 19970127; TW 86100866 A 19970127; US 79475797 A 19970203