

Title (en)

Time counting assembly with a display for world time zones

Title (de)

Zeitmessgerät mit Anzeige für Weltzeitzonen

Title (fr)

Instrument de mesure du temps doté d'un affichage des fuseaux horaires mondiaux

Publication

EP 1845424 A3 20100908 (EN)

Application

EP 07106084 A 20070412

Priority

- CN 200610075120 A 20060414
- CN 200710079235 A 20070213

Abstract (en)

[origin: EP1845424A2] A time counting assembly with a display for world time zones comprised of a power source (1), a second counter (2), a minute counter (3), an hour counter (4), and a time zone display (5) for displaying a correct time over a faceplate (53). The user stirs the time zone adjustable ring (52) with the hand to align a first landmark of a local time zone with a fixed point and then calibrates the time counting assembly in accordance with the local time, and then stirs the time zone adjustable ring (52) with the hand to align a second landmark of another locating time zone with the fixed point such that the inner gear ring (522) moves the planetary idle gear set and the planetary base wheel to shift engagement of the engaging hooks (56) in the ratchet holes (523), and the front hour wheel (41) is rotated on the planetary base wheel with a planetary movement along the minute wheel set (32) to cause rotation of a meshed hour wheel (42) so as to turn a hour hand (43) to the time in accordance with the time zone corresponding to the second landmark. The direct time zone adjustment design greatly reduces the thickness of the assembly so that the time counting assembly is usable in a watch or low-profile timer while maintaining world time zone display and adjustable functions, and providing a modularized design function for ultra-thin time recording device.

IPC 8 full level

G04B 19/22 (2006.01); **G04C 9/00** (2006.01); **G04G 9/00** (2006.01)

CPC (source: EP)

G04B 19/223 (2013.01); **G04C 9/00** (2013.01); **G04G 9/0076** (2013.01)

Citation (search report)

- [XYI] US 2003016589 A1 20030123 - LIN WEN-CHUN [TW]
- [A] CH 370706 A 19630329 - TISSOT HORLOGERIE [CH]
- [A] FR 1517236 A 19680315 - BULOVA WATCH CO INC
- [Y] FR 2081081 A1 19711203 - SOBOREM BOITES MONTRES
- [Y] US 2004141424 A1 20040722 - HARTMANN OLIVIER [CH], et al

Cited by

CN103676601A; CN111766770A; WO2011143822A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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