

Title (en)

Method for synchronizing the analog display means and a volatile time counter in a timepiece

Title (de)

Verfahren zur Synchronisierung einer analogen Anzeige und eines flüchtigen Zähler in einer Uhr

Title (fr)

Procédé de synchronisation entre les moyens d'affichage analogiques et un compteur volatile de temps dans une montre

Publication

EP 1739511 A1 20070103 (FR)

Application

EP 05106032 A 20050701

Priority

EP 05106032 A 20050701

Abstract (en)

The method involves calculating and storing a value (Vtps) representative of time information in a time counter. The value is updated based on a function of a supply frequency of the information, and is displayed using an analog display unit in a time mode. A value non-representative of the information is displayed in a non-time mode. The end of lifetime of the power supply is detected and the unit is set in a preset reference position. The value of the counter is set to a preset reference value and the unit is synchronized with the value of the counter during the replacement of the supply. An independent claim is also included for a multi-function electronic watch.

IPC 8 full level

G04C 10/04 (2006.01); **G04G 19/00** (2006.01)

CPC (source: EP KR US)

G04C 10/04 (2013.01 - EP US); **G04G 7/00** (2013.01 - KR); **G04G 19/00** (2013.01 - EP US)

Citation (search report)

- [XA] FR 2671646 A1 19920717 - GORGY TIMING [FR], et al
- [X] US 5671192 A 19970923 - SCHAFFEL FRITZ [DE]
- [A] DE 19543590 C1 19970130 - BRAUN AG [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1739511 A1 20070103; **EP 1739511 B1 20081231**; AT E419566 T1 20090115; CN 100514228 C 20090715; CN 1892517 A 20070110; DE 602005012076 D1 20090212; HK 1102513 A1 20071123; JP 2007010669 A 20070118; JP 4795142 B2 20111019; KR 20070003596 A 20070105; SG 128661 A1 20070130; TW 200717204 A 20070501; US 2007002693 A1 20070104; US 7593292 B2 20090922

DOCDB simple family (application)

EP 05106032 A 20050701; AT 05106032 T 20050701; CN 200610100549 A 20060703; DE 602005012076 T 20050701; HK 07106264 A 20070612; JP 2006180846 A 20060630; KR 20060058447 A 20060628; SG 200604461 A 20060630; TW 95122786 A 20060623; US 42788206 A 20060630