

Title (en)

Electronic diver's watch with a redundant analog display of the instantaneous depth

Title (de)

Elektronische Taucheruhr mit einer analogen redundanten Anzeige der momentanen Tiefe

Title (fr)

Montre électronique de plongée comportant un affichage analogique redondant de la profondeur instantanée

Publication

EP 1748331 A1 20070131 (FR)

Application

EP 05107040 A 20050729

Priority

EP 05107040 A 20050729

Abstract (en)

The watch has a water resistant case mounted on a dial provided with minute and hour hands (18, 20), where the hands are driven by respective motors (32, 34). A pressure sensor (36) transmits a function of signals to the hands for aligning the hands on a same side of axis, in a dive mode. Angular position of the hands is synchronized with control signals of an electronic circuit (30), in a synchronization mode. Graduations for reading instantaneous depth and minutes are similar. A liquid crystal display displays the depth in parallel with the indication of the depth by the hands.

IPC 8 full level

G04G 21/02 (2010.01)

CPC (source: EP US)

G04C 3/146 (2013.01 - EP US); **G04G 21/02** (2013.01 - EP US)

Citation (applicant)

EP 1396766 A1 20040310 - ASULAB SA [CH]

Citation (search report)

- [XA] EP 1396767 A1 20040310 - ASULAB SA [CH]
- [E] EP 1571507 A1 20050907 - ETA SA MFT HORLOGERE SUISSE [CH]
- [E] EP 1571506 A1 20050907 - ETA SA MFT HORLOGERE SUISSE [CH]
- [A] EP 0581957 A1 19940209 - CITIZEN WATCH CO LTD [JP]

Cited by

EP4105738A1; EP3299906A1; US10281880B2

Designated contracting state (EPC)

CH DE FI FR GB LI

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1748331 A1 20070131; EP 1748331 B1 20101006; CN 1904772 A 20070131; CN 1904772 B 20110427; DE 602005023977 D1 20101118; HK 1095639 A1 20070511; JP 2007040997 A 20070215; US 2007025186 A1 20070201; US 7269100 B2 20070911

DOCDB simple family (application)

EP 05107040 A 20050729; CN 200610108965 A 20060731; DE 602005023977 T 20050729; HK 07102558 A 20070308; JP 2006207449 A 20060731; US 46110006 A 20060731