

Title (en)
Wristwatch with solar time display

Title (de)
Uhr mit Sonnenzeitanzeige

Title (fr)
Montre munie d'un affichage du temps solaire

Publication
EP 1343056 A1 20030910 (FR)

Application
EP 02405177 A 20020308

Priority
EP 02405177 A 20020308

Abstract (en)
The watch has an inner twelve hour dial (12) with minute and hour hands (14,16) to show the civil time and an outer twenty four hour dial (13) with single hand (18) to indicate solar time. The solar hand is set by using an adjustment (20,22,22a) to allow for the actual longitude compared to the time zone longitude and also by using an equation of time adjustment (23). Sighting the sun with the solar hand gives the north position (13b)

Abstract (fr)
Montre comportant des moyens d'affichage du temps civil (12, 16), des moyens d'affichage du temps solaire (13, 18) et des moyens de correction (24, 34, 36) des affichages. Dans cette montre, les moyens de correction sont agencés de manière à permettre le déphasage relatif des moyens d'affichage du temps civil et du temps solaire. Elle comporte, en outre, des moyens d'affichage de ce déphasage (20, 22). <IMAGE>

IPC 1-7
G04B 19/22

IPC 8 full level
G04B 19/22 (2006.01); **G04B 19/23** (2006.01)

CPC (source: EP US)
G04B 19/23 (2013.01 - EP US)

Citation (search report)
• [Y] US 5184333 A 19930202 - CASPAR MICHEL [CH]
• [Y] US 1459710 A 19230626 - BALCH SAMUEL W

Cited by
EP1701226A1; FR2852701A1; CN106483828A; EP1637942A1; EP1637941A1; EP2187272A1; EP3029531A1; EP2778800A1; US9261859B2; US9285774B2; US9594348B2; WO2006095003A3; WO2004086153A3; WO2006029721A1; WO2013127681A1; EP2009392B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1343056 A1 20030910; AT E467157 T1 20100515; DE 60332431 D1 20100617; EP 1483630 A2 20041208; EP 1483630 B1 20100505; US 2005207283 A1 20050922; US 7372781 B2 20080513; WO 03077043 A2 20030918; WO 03077043 A3 20040513

DOCDB simple family (application)
EP 02405177 A 20020308; AT 03702275 T 20030305; CH 0300152 W 20030305; DE 60332431 T 20030305; EP 03702275 A 20030305; US 50692204 A 20040903