

Title (en)
TIMEPIECE WITH AN ILLUMINATION SYSTEM COMPRISING AN ULTRAVIOLET LIGHT EMITTING DIODE

Title (de)
UHR, DIE MIT EINER BELEUCHTUNGSVORRICHTUNG AUSGERÜSTET IST, WELCHE EINE ULTRAVIOLETT-ELEKTROLUMINESZENZDIODE UMFASST

Title (fr)
PIÈCE D'HORLOGERIE MUNIE D'UN DISPOSITIF D'ÉCLAIRAGE COMPRENANT UNE DIODE ÉLECTROLUMINESCENTE ULTRAVIOLETTE

Publication
EP 2084585 A2 20090805 (FR)

Application
EP 07822037 A 20071030

Priority

- EP 2007061683 W 20071030
- EP 06123449 A 20061103
- EP 07822037 A 20071030

Abstract (en)
[origin: EP1918793A1] The timepiece has a lighting device (4) with a UV/infrared LED to light a zone (9) integrating fluorescent and phosphorescent pigments of a needle (7), that is viewed via a convex glass (3). A light from the LED is directed on a periphery of the glass forming a wave guide. Scattering units formed of a reflective surface (15), scattering and reflective layers (12, 13), a nanopowder and microstructures and nanostructures, to scatter the light from the glass towards the timepiece interior and are arranged in the form of ring, on a light path to view the zone and provided with a nanosize covering. The nanosize covering of the scattering layers is made of metallic oxide.

IPC 8 full level
G04G 9/00 (2006.01); **G04B 19/32** (2006.01)

CPC (source: EP KR US)
G04B 19/32 (2013.01 - EP US); **G04G 9/0041** (2013.01 - EP US); **G04G 9/04** (2013.01 - KR)

Citation (search report)
See references of WO 2008052989A2

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

DOCDB simple family (publication)
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DOCDB simple family (application)
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