

Title (en)

Timepiece capable of indicating the sunrise or sunset at any point on the globe

Title (de)

Uhr, die den Sonnenauf- und -untergang an jedem Punkt der Erde anzeigen kann

Title (fr)

Pièce d'horlogerie pouvant indiquer le lever ou le coucher du soleil en tout point du globe

Publication

EP 2911013 B1 20170405 (FR)

Application

EP 14156008 A 20140220

Priority

EP 14156008 A 20140220

Abstract (en)

[origin: US2015234357A1] The timepiece includes sunrise and sunset indicating means taking account of seasonal variations, said means include a sphere reproducing the terrestrial globe, a shell arranged concentrically to the sphere and arranged to demarcate one portion of the terrestrial globe where it is night from another portion where it is day by indicating the position of the earth's terminator. The sphere is arranged to be driven by the movement so as to rotate at the rate of one revolution per 24 hours about a first axis of rotation oriented parallel to the plane of the dial, and the shell is mounted to pivot about a second axis perpendicular to the plane of the dial. The sunrise and sunset indicating means also include an annual cam arranged to be driven in rotation by the movement at the rate of one revolution per year, the cam having a profile representative of the tilt of the sun relative to the equatorial plane.

IPC 8 full level

G04B 19/22 (2006.01); **G04B 19/26** (2006.01)

CPC (source: EP RU US)

G04B 19/22 (2013.01 - EP US); **G04B 19/26** (2013.01 - EP US); **G04B 19/262** (2013.01 - RU US)

Cited by

EP3339972A1; CN106909056A; CH712267A1; CN108241282A; EP3211487A1; EP3339971A1

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DOCDB simple family (publication)

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