

Title (en)

Device for uniformly illuminating the dial of a display apparatus

Title (de)

Vorrichtung zur gleichmässigen Beleuchtung des Zifferblattes einer Anzeigeeinrichtung

Title (fr)

Dispositif d'illumination uniforme du cadran d'un appareil d'affichage

Publication

EP 0860755 B1 20020612 (FR)

Application

EP 97102767 A 19970220

Priority

EP 97102767 A 19970220

Abstract (en)

[origin: EP0860755A1] The system for illuminating the dial (4) of a watch fits within the casing (1) which includes a cover glass (8) lying over the dial and held in place by a cover ring (9). At least one light source (13) is mounted at the periphery of the dial with a light guide (20) extending around the circumference of the dial. The light guide has an internal surface which is polished, and an external surface held within the space defined by the dial (4), the cover glass (8) and the internal wall of the cover ring (9). The outside surface of the light guide has a progressively increasing degree of surface roughness, causing an increasing degree of scattering as the distance from the light source(s) increases.

IPC 1-7

G04B 19/30

IPC 8 full level

G04B 19/30 (2006.01)

CPC (source: EP)

G04B 19/30 (2013.01)

Cited by

EP1050711A1; EP1094373A1; CN103645623A; SG93274A1; CN1310103C; CN102253734A; US8988391B2; US2021223744A1; US11953858B2; US6487143B1; US6894440B2; US7550930B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0860755 A1 19980826; EP 0860755 B1 20020612; DE 69713269 D1 20020718; DE 69713269 T2 20030306

DOCDB simple family (application)

EP 97102767 A 19970220; DE 69713269 T 19970220