

Title (en)

Watch including a bezel and method for attaching such a bezel

Title (de)

Armband mit einem Glasdeckel, und Befestigungsverfahren dieses Glasdeckels

Title (fr)

Montre comprenant une lunette et procédé de fixation d'une telle lunette

Publication

EP 2485100 A1 20120808 (FR)

Application

EP 11153707 A 20110208

Priority

EP 11153707 A 20110208

Abstract (en)

The watch has middle (2) forming a watch case (1) with a glass (4), where the glass is accoladed on a bearer (10) arranged in the middle. A bezel (14) is welded on the glass and on the middle by ultrasound welding. A digital display device i.e. LCD cell (20), is fixed on a lower face (8) of the glass. A printed circuit board (36) is placed in the case under the display device and remote from the display device. The display device is electrically connected to the circuit board by a Zebra(RTM: Rubberized layer of alternating conductive and insulating material) connector (40). An independent claim is also included for a method for fixing a watch bezel.

Abstract (fr)

Montre comprenant une carrure (2) qui délimite avec une glace (4) une boîte de montre (1), la glace (4) étant collée sur une portée (10) ménagée dans la carrure (2), la montre étant caractérisée en ce qu'elle comprend une lunette (14) soudée par ultrasons d'une part sur la glace (4) et d'autre part sur la carrure (2). L'invention concerne également un procédé de soudage par ultrasons de la lunette (14) sur la carrure (2).

IPC 8 full level

G04B 39/02 (2006.01); **G04G 17/04** (2006.01)

CPC (source: EP US)

G04B 39/02 (2013.01 - EP US); **G04G 17/045** (2013.01 - EP US)

Citation (search report)

- [IY] CH 661635 A3
- [A] US 6053631 A 20000425 - MOCK ELMAR [CH], et al
- [Y] EP 1331530 A2 20030730 - SEIKO INSTR INC [JP]
- [A] US 6243259 B1 20010605 - YAMAKAWA EIJI [JP], et al

Cited by

CN104076681A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2485100 A1 20120808; CN 203673244 U 20140625; EP 2673676 A1 20131218; EP 2673676 B1 20161026; JP 3188804 U 20140213; US 2013329535 A1 20131212; US 9501039 B2 20161122; WO 2012107408 A1 20120816

DOCDB simple family (application)

EP 11153707 A 20110208; CN 201290000275 U 20120206; EP 12702547 A 20120206; EP 2012051974 W 20120206; JP 2013600101 U 20120206; US 201213979057 A 20120206