

Title (en)

DEVICE FOR SECURING A CRYSTAL TO A WATCH CASE

Title (de)

VORRICHTUNG ZUR SICHERUNG EINES KRISTALLS AN EIN UHRENGEHÄUSE

Title (fr)

PROCÉDÉ DE FIXATION D'UNE GLACE SUR UNE BOÎTE DE MONTRE

Publication

**EP 3092531 A2 20161116 (FR)**

Application

**EP 15700185 A 20150106**

Priority

- CH 102014 A 20140107
- EP 2015050085 W 20150106

Abstract (en)

[origin: WO2015104252A2] The invention relates to a method for securing a crystal to a watch case, in which: at least one thin intermediate layer is attached by means of surface treatment to a zone of the surface of the crystal that is intended to come into contact with a corresponding zone of the watch case and/or to said corresponding zone of the watch case, said thin intermediate layer allowing the migration of ions and/or electrons; the aforementioned zones of the watch case and the crystal are applied against one another; the watch case/crystal assembly is heated to a sufficiently low heating temperature to guarantee that none of the materials forming the system leaves the solid phase; the crystal is connected to an electrode and the watch case is connected to a counter-electrode, and a voltage is applied between the electrode and the counter-electrode that accelerates the diffusion of the charged particles and thus creates new metallic, ionic or covalent bonds. The invention also relates to a watch case obtained using this method.

IPC 8 full level

**G04B 39/02** (2006.01)

CPC (source: CN EP)

**G04B 39/02** (2013.01 - CN EP); **G04D 3/06** (2013.01 - EP)

Citation (search report)

See references of WO 2015104252A2

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Designated extension state (EPC)

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