

Title (en)  
Method for manufacturing a composite timepiece

Title (de)  
Herstellungsverfahren eines Verbunduhrwerks

Title (fr)  
Procédé de réalisation d'une pièce d'horlogerie composite

Publication  
**EP 2579104 A3 20130821 (FR)**

Application  
**EP 11191327 A 20111130**

Priority  
CH 16482011 A 20111007

Abstract (en)  
[origin: EP2579104A2] The method involves producing a part defining a portion of a metal layer (44). Another part defining a silicon-based layer is produced. A composite part is assembled by positioning the two parts to ensure contact between the metal layer and the silicon layer, respectively, and by welding the parts together by applying pressure and/or temperature. The welding is performed by thermocompression or formation of an intermetallic alloy and creation of connection between the parts. The composite part is released by eliminating a substrate. An independent claim is also included for a timepiece.

IPC 8 full level  
**G04B 13/02** (2006.01); **G04B 15/14** (2006.01); **G04B 17/06** (2006.01); **G04B 17/22** (2006.01); **G04B 29/02** (2006.01)

CPC (source: EP)  
**G04B 13/022** (2013.01); **G04B 15/14** (2013.01); **G04B 17/063** (2013.01); **G04B 17/227** (2013.01); **G04B 29/027** (2013.01)

Citation (search report)

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- [XAI] EP 2104005 A1 20090923 - NIVAROX SA [CH]
- [XA] EP 2104007 A1 20090923 - NIVAROX SA [CH]
- [XAI] EP 2105807 A1 20090930 - NIVAROX SA [CH]
- [XA] EP 2060534 A1 20090520 - NIVAROX SA [CH]
- [X] EP 2104006 A1 20090923 - NIVAROX SA [CH]
- [A] WO 2008135817 A2 20081113 - PATEK PHILIPPE SA [CH], et al

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2579104 A2 20130410; EP 2579104 A3 20130821; EP 2579104 B1 20140625**

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