

Title (en)  
METHOD FOR MANUFACTURING A CLOCK COMPONENT

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER UHRKOMPONENTE

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN COMPOSANT HORLOGER

Publication  
**EP 3495894 B1 20230104 (FR)**

Application  
**EP 17205320 A 20171205**

Priority  
EP 17205320 A 20171205

Abstract (en)  
[origin: US2019171164A1] A method of manufacturing a clock or watch component (19; 29) includes (i) providing (E11; E21) a wafer (11; 21) having a single slice (12; 22) including a material of the component, notably silicon, diamond, quartz, sapphire or ceramic, optionally first coating the lower surface of the slice (22) with a lower layer (24), (iii) etching (E12 to E14; E22 to E24) the slice (12; 22) starting from its upper surface to form at least one clock or watch component, (iv) revealing (E15; E25) at least one clock or watch component (19; 29), by removing a layer that served as a mask for etching (E15; E25) and (y) optionally releasing (E26) the slice and the at least one etched clock or watch component by removing the lower layer (24).

IPC 8 full level  
**G04B 15/14** (2006.01); **G04B 13/02** (2006.01); **G04B 17/06** (2006.01); **G04B 19/04** (2006.01)

CPC (source: EP US)  
**G04B 13/02** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US); **G04B 17/066** (2013.01 - EP US); **G04B 19/042** (2013.01 - EP US)

Citation (examination)  
EP 2579105 A2 20130410 - SUISSE ELECTRONIQUE MICROTECH [CH]

Cited by  
EP4022398B1

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

DOCDB simple family (publication)  
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**EP 17205320 A 20171205**; CN 201811474412 A 20181204; JP 2018224857 A 20181130; US 201816202284 A 20181128