

Title (en)

METHOD FOR MANUFACTURING A TIMEPIECE PROVIDED WITH A RAISED CASING ELEMENT

Title (de)

HERSTELLUNGSVERFAHREN EINER UHR, DIE MIT EINEM RELIEF-VERKLEIDUNGSELEMENT AUSGESTATTET IST

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE D'HORLOGERIE DOTÉE D'UN ÉLÉMENT D'HABILLAGE EN RELIEF

Publication

EP 3246766 B1 20200129 (FR)

Application

EP 16170378 A 20160519

Priority

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Abstract (en)

[origin: JP2017207479A] PROBLEM TO BE SOLVED: To provide a process of producing a timepiece provided with a raised external element. SOLUTION: A process of producing a part PC provided with an external element EH comprises: providing an electrically conductive substrate having an upper surface and a pattern with a recess formed in the upper surface; depositing an electrically insulating layer into the pattern such that the insulating layer extends as far as the upper surface; depositing a metal layer CM onto the upper surface of the substrate by galvanic growth such that at the end of deposition the metal layer CM partially rests on the insulating layer; dissolving the insulating layer; covering an assembly comprising the substrate and the metal layer CM with a mass VL of a base material of the part PC, so as to allow the mass VL to form an imprint of the assembly; and separating the mass VL and the metal layer CM from the substrate, so as to allow the mass VL to exhibit the external element EH with a shape corresponding to the imprint of the pattern. SELECTED DRAWING: Figure 1f

IPC 8 full level

F16H 55/08 (2006.01); **G04B 19/10** (2006.01); **G04B 19/18** (2006.01); **G04D 3/00** (2006.01)

CPC (source: CN EP US)

B44C 1/14 (2013.01 - US); **B44C 1/24** (2013.01 - US); **C25D 1/10** (2013.01 - US); **C25D 5/00** (2013.01 - CN); **G04B 19/042** (2013.01 - EP US); **G04B 19/10** (2013.01 - CN EP US); **G04B 19/12** (2013.01 - EP US); **G04B 19/18** (2013.01 - CN EP US); **G04B 19/28** (2013.01 - EP US); **G04B 37/22** (2013.01 - CN); **G04B 45/00** (2013.01 - EP US); **G04D 3/0048** (2013.01 - EP US); **A44C 27/00** (2013.01 - EP US)

Cited by

US11857035B2; EP3951512A1; CN114063423A

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