

Title (en)
ECONOMICAL TIMEPIECE DISPLAY COMPONENT

Title (de)
PREISGÜNSTIGE KOMPONENTE FÜR UHRENANZEIGEN

Title (fr)
COMPOSANT D'AFFICHAGE D'HORLOGERIE ECONOMIQUE

Publication
EP 3220209 B1 20190206 (FR)

Application
EP 16160071 A 20160314

Priority
EP 16160071 A 20160314

Abstract (en)
[origin: JP2017167134A] PROBLEM TO BE SOLVED: To provide a high-reliability economical method for manufacturing a timepiece display or hand-fitting component including an aesthetic and/or visible surface.SOLUTION: Provided is a method for manufacturing a timepiece display or hand-fitting component 1, comprising: choosing a first material which is easy to shape or to machine; making a workpiece 3 from the first material; choosing a second material to make a surface 2 of the component 1, which is an amorphous metal alloy or has a nanocrystalline structure or includes nickel or nickel-phosphorus, or which is a pure metal or an alloy of gold and/or silver and/or copper and/or rhodium and/or titanium and/or aluminum; coating the workpiece 3 with at least a thick layer 4 with an initial thickness E of 20 µm or more made from the second material, on the surface of the component 1; and removing all or part of the thick layer 4 by machining the surface 2 with a diamond tool.SELECTED DRAWING: Figure 4

IPC 8 full level
G04B 19/04 (2006.01); **G04B 19/10** (2006.01); **G04B 19/12** (2006.01)

CPC (source: CN EP US)
G04B 19/042 (2013.01 - EP US); **G04B 19/10** (2013.01 - EP US); **G04B 19/103** (2013.01 - EP US); **G04B 19/12** (2013.01 - EP US); **G04D 3/0043** (2013.01 - CN); **G04D 3/0046** (2013.01 - CN EP US); **G04D 3/0051** (2013.01 - EP US); **G04D 3/0069** (2013.01 - CN)

Cited by
EP3989010A1; EP3537225A1; CN110231764A

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)
EP 3220209 A1 20170920; **EP 3220209 B1 20190206**; CH 712211 A2 20170915; CN 107193201 A 20170922; CN 107193201 B 20200915; HK 1243780 A1 20180720; JP 2017167134 A 20170921; JP 6434553 B2 20181205; US 10620586 B2 20200414; US 2017261935 A1 20170914

DOCDB simple family (application)
EP 16160071 A 20160314; CH 3292016 A 20160314; CN 201710144476 A 20170313; HK 18103138 A 20180305; JP 2017041390 A 20170306; US 201715450211 A 20170306