

Title (en)
Watch-case with a sintered middle part.

Title (de)
Uhrengehäuse mit einem gesinterten Mittelteil.

Title (fr)
Boîte de montre comportant une carrure frittée.

Publication
EP 0370356 A1 19900530 (FR)

Application
EP 89121006 A 19891113

Priority
CH 433788 A 19881123

Abstract (en)
[origin: JPH02236487A] PURPOSE: To readily attach a lid to an annular member by a method in which the solid-type annular member obtained by powders coupled by sintering at a temperature exceeding 500 deg.C is used. CONSTITUTION: A reverse lid 10 contains at least two pins 12 disposed on both sides of a case in parallel to the reverse lid 10 as means for fixing to an annular member 2. Each of pins 12 provided in both the annular member 2 and reverse lid 10 is housed in holes 13 to 15 aligned linearly with the annular member 2 and reverse lid 10. Namely, the pins 12 are passed through the first hole 14 provided in first projection part 16 of the annular member 2 and the second holes 13, 15 provided in two second projection parts 17, 18 formed in the reverse lid 10. Thereby, a bracelet belt 19 can be attached to a watch by the pins 12. Further, the lid 10 can be attached readily to the annular member 2.

Abstract (fr)
La boîte de montre comporte une carrure (2) faite en matériau fritté et un fond (10) fixé à la carrure au moyen d'au moins deux goupilles (12). Chaque goupille traverse un premier trou (14) pratiqué dans une première saillie (16) aménagée dans la carrure et deux seconds trous (13, 15) pratiqués respectivement dans deux secondes saillies (17, 18) aménagées dans le fond, lesdites secondes saillies étant disposées respectivement de part et d'autre de ladite première saillie.

IPC 1-7
G04B 37/11; **G04B 37/16**; **G04B 37/22**

IPC 8 full level
G04B 37/11 (2006.01); **G04B 37/14** (2006.01); **G04B 37/16** (2006.01); **G04B 37/18** (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP US)
G04B 37/11 (2013.01 - EP US); **G04B 37/1486** (2013.01 - EP US)

Citation (search report)
• [Y] FR 976102 A 19510314 - JAEGER ETS ED
• [Y] US 3861990 A 19750121 - KASAI MASAMI, et al
• [AD] CH 458217 A 19680815 - CAPRARA PIERRE [CH]
• [A] EP 0280963 A1 19880907 - EBAUCHESFABRIK ETA AG [CH]
• [A] DE 3540737 A1 19870521 - GROB PETER DIPL ING
• [A] FR 2510776 A1 19830204 - TEXTRON INC [US]
• [A] CH 323054 A 19570715 - BOITES DE MONTRES HUGUENIN S A [CH]

Cited by
EP1577717A4; EP3534224A1; WO2004055603A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0370356 A1 19900530; **EP 0370356 B1 19920401**; CH 674692 B5 19910115; CH 674692G A3 19900713; CN 1017005 B 19920610; CN 1043008 A 19900613; DE 68901132 D1 19920507; HK 106696 A 19960628; JP H02236487 A 19900919; US 4974218 A 19901127

DOCDB simple family (application)
EP 89121006 A 19891113; CH 433788 A 19881123; CN 89108758 A 19891123; DE 68901132 T 19891113; HK 106696 A 19960619; JP 30342589 A 19891124; US 43960289 A 19891121