

Title (en)
Overmoulded clock journal bearing

Title (de)
Konfektioniertes glattes Lager für Uhrwerk

Title (fr)
Palier lisse d'horlogerie surmoulé

Publication
EP 2605084 A3 20140129 (FR)

Application
EP 12194356 A 20121127

Priority
• EP 11194060 A 20111216
• EP 12194356 A 20121127

Abstract (en)
[origin: EP2605083A1] The bearing (1) has a core (5) made of a plastic material injected into a cavity (4) of revolution comprised in an outer cage (3). The core is moved with a permanent and residual operating clearance with respect to the outer cage, and is immobilized from the outer cage. An inner cage (2) is contained within the cavity. The plastic core is arranged between the inner cage and the outer cage. The core is delimited by an outer surface of revolution of the inner cage and an inner surface of revolution of the outer cage. An independent claim is also included for a method for manufacturing a smooth timepiece bearing.

IPC 8 full level
G04B 31/016 (2006.01); **G04B 31/00** (2006.01); **G04B 31/02** (2006.01); **G04B 31/06** (2006.01)

CPC (source: EP US)
G04B 31/00 (2013.01 - US); **G04B 31/016** (2013.01 - EP US); **G04B 31/02** (2013.01 - EP US); **G04B 31/06** (2013.01 - US)

Citation (search report)
• [I] EP 1986059 A1 20081029 - ETA SA MFT HORLOGERE SUISSE [CH]
• [ID] CH 559383 B5 19750228 - PORTESCAP
• [IDA] FR 1579777 A 19690829
• [IDA] FR 1587976 A 19700403
• [XDA] US 2956394 A 19601018 - JEAN-PIERRE DUBOIS
• [AD] CH 583934 B5 19770114 - PORTESCAP
• [A] CH 243388 A 19460715 - SPAHR STOTZ FRITZ [CH]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2605083 A1 20130619; EP 2605083 B1 20140910; CN 103163773 A 20130619; EP 2605084 A2 20130619; EP 2605084 A3 20140129; EP 2605084 B1 20180808; JP 2013127458 A 20130627; RU 2012154333 A 20140620; US 2013155823 A1 20130620

DOCDB simple family (application)
EP 11194060 A 20111216; CN 201210540837 A 20121214; EP 12194356 A 20121127; JP 2012269006 A 20121210; RU 2012154333 A 20121214; US 201213710831 A 20121211