

Title (en)
MICROSTRUCTURED TRIBOLOGICAL TANK

Title (de)
TRIBOLOGISCHER MIKROSTRUKTURBEHÄLTER

Title (fr)
Reservoir tribologique micro-structure

Publication
EP 3067757 A1 20160914 (FR)

Application
EP 15158945 A 20150313

Priority
EP 15158945 A 20150313

Abstract (en)
[origin: WO2016146305A1] The invention relates to a micromechanical part, particularly for clockwork mechanisms, locally comprising at least one area which is microstructured by means of a laser, the microstructured area having a three-dimensional surface consisting of microcavities designed to be used as a reservoir for a lubricating substance.

Abstract (fr)
Pièce de micromécanique, destinée notamment aux mécanismes d'horlogerie, comprenant localement au moins une zone microstructurée au moyen d'un laser, la zone microstructurée présentant une surface tridimensionnelle formée de microcavités configurées pour servir de réservoir pour une substance lubrifiante.

IPC 8 full level
G04B 31/08 (2006.01); **G04B 15/14** (2006.01); **G04D 3/00** (2006.01)

CPC (source: EP)
G04B 15/14 (2013.01); **G04B 31/08** (2013.01); **G04D 3/0087** (2013.01)

Citation (applicant)
DE 102009046647 A1 20110519 - SCHMIDT LOTHAR [CH]

Citation (search report)
• [XA] CH 685463 B5 19960131 - HORMEC TECHNIC SA [CH]
• [XAI] EP 1637938 A1 20060322 - GLASHUETTER UHRENBETRIEB GMBH [DE]
• [XDA] DE 102009046647 A1 20110519 - SCHMIDT LOTHAR [CH]

Cited by
EP3407143A1; EP3722887A1; CN114270278A; CH716332A1; US11520290B2; CN108958004A; EP3761123A1; JP2022538344A; WO2021005423A1; US11262707B2; WO2021032552A1

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 3067757 A1 20160914; WO 2016146305 A1 20160922

DOCDB simple family (application)
EP 15158945 A 20150313; EP 2016052734 W 20160209