

Title (en)
PARTIAL STRUCTURING OF SLIDING SURFACES

Title (de)
BEREICHSWEISES STRUKTURIEREN VON GLEITFLÄCHEN

Title (fr)
STRUCTURATION PAR ZONES DE SURFACES DE GLISSEMENT

Publication
EP 2855952 A2 20150408 (DE)

Application
EP 13726787 A 20130604

Priority

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- EP 13160919 A 20130325
- EP 2013061432 W 20130604
- EP 13726787 A 20130604

Abstract (en)
[origin: WO2013182539A2] When structuring the sliding bearing surfaces (1) of a crankshaft by selectively introduced, microscopically small depressions (27), to achieve a great reduction in friction during use of the crankshaft with little effort, it is proposed in the case of centre bearings and pin bearings to structure specifically only the regions of the bearing surface that are subjected to high levels of loading, both in the circumferential direction and in the axial direction, since even these are difficult to reach in view of the working gap from the tool of only a few microns.

IPC 8 full level
F16C 17/00 (2006.01)

CPC (source: EP KR US)
B23H 7/32 (2013.01 - EP US); **B23H 9/00** (2013.01 - EP US); **C25F 3/02** (2013.01 - EP US); **F16C 9/00** (2013.01 - KR); **F16C 9/02** (2013.01 - EP KR US); **F16C 17/00** (2013.01 - KR); **F16C 17/02** (2013.01 - EP US); **F16C 33/103** (2013.01 - EP KR US); **F16C 33/14** (2013.01 - EP KR US); **B23H 3/00** (2013.01 - EP US); **B23H 2200/10** (2013.01 - EP US); **B23H 2300/10** (2013.01 - EP US); **F16C 2220/60** (2013.01 - EP US); **F16C 2223/08** (2013.01 - EP US); **F16C 2223/10** (2013.01 - KR)

Citation (search report)
See references of WO 2013182539A2

Citation (examination)
US 4105267 A 19780808 - MORI SANAE

Cited by
EP2821172B1

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

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