

Title (en)
CONNECTING ROD FOR AN INTERNAL COMBUSTION ENGINE, AND METHOD FOR ITS PRODUCTION

Title (de)
PLEUEL FÜR EINEN VERBRENNUNGSMOTOR UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
BIELLE POUR MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ DE FABRICATION DE CELLE-CI

Publication
EP 1963692 A1 20080903 (DE)

Application
EP 06828689 A 20061215

Priority

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- DE 102005061062 A 20051221
- DE 102006013399 A 20060323

Abstract (en)
[origin: DE102006013399A1] The connecting rod has a small connecting rod eye (20) for holding a piston pin and having a large connecting rod eye (30) for holding a crank pin. A connecting rod eye has a geometric deviation from a cylindrical inner contour. A connecting rod eye is formed by a bore (22,32) with a cylindrical inner contour. The bore is provided with a coating (23) comprising a resin with solid lubricant particles embedded in it. The coating forms a geometric deviation from the cylindrical inner contour of a connecting rod eye. An independent claim is also included for the method for producing a connecting rod.

IPC 8 full level
F16C 9/04 (2006.01); **F16C 33/20** (2006.01)

CPC (source: EP US)
B05B 3/10 (2013.01 - EP); **B05D 1/40** (2013.01 - US); **B05D 3/0218** (2013.01 - US); **B05D 3/0254** (2013.01 - US); **B05D 5/08** (2013.01 - US); **B05D 7/22** (2013.01 - US); **F16C 7/00** (2013.01 - US); **F16C 9/04** (2013.01 - EP US); **F16C 23/041** (2013.01 - EP US); **F16C 33/1045** (2013.01 - US); **F16C 33/1065** (2013.01 - EP US); **F16C 33/208** (2013.01 - EP US); **F16J 1/16** (2013.01 - EP US); **F16J 7/00** (2013.01 - EP US); **B05B 1/26** (2013.01 - EP); **F16C 7/023** (2013.01 - EP US); **F16C 17/02** (2013.01 - EP US); **F16C 33/103** (2013.01 - EP US); **F16C 33/201** (2013.01 - EP US); **F16C 2223/42** (2013.01 - EP US); **F16C 2360/22** (2013.01 - EP US); **Y10T 29/49288** (2015.01 - EP US); **Y10T 74/2162** (2015.01 - EP US)

Citation (search report)
See references of WO 2007073720A1

Citation (examination)

- DE 10344723 A1 20040805 - MIBA GLEITLAGER GMBH LAAKIRCHE [AT]
- EP 1843860 A2 20071017 - MAHLE INT GMBH [DE]
- US 2003235355 A1 20031225 - HIRAMATSU NOBUTAKA [JP], et al

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DE 102006013399 A1 20070705; BR PI0620382 A2 20111108; EP 1963692 A1 20080903; JP 2009520926 A 20090528; JP 5260306 B2 20130814; US 2009078080 A1 20090326; US 2014242277 A1 20140828; US 9726223 B2 20170808; WO 2007073720 A1 20070705

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