

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  

- DE 2006002258 W 20061215
- 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

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**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

DOCDB simple family (application)  
**DE 102006013399 A 20060323**; BR PI0620382 A 20061215; DE 2006002258 W 20061215; EP 06828689 A 20061215; JP 2008546117 A 20061215; US 201414250463 A 20140411; US 8673806 A 20061215