

Title (en)
MASS BALANCING MECHANISM OF AN INTERNAL COMBUSTION ENGINE

Title (de)
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Title (fr)
MÉCANISME D'ÉQUILIBRAGE DES MASSES D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2427672 A1 20120314 (DE)

Application
EP 10718544 A 20100427

Priority
• EP 2010055580 W 20100427
• DE 102009020134 A 20090506

Abstract (en)
[origin: WO2010127959A1] The invention relates to a mass balancing mechanism for balancing mass forces and/or mass torques of an internal combustion engine. The mass balancing mechanism comprises an unbalanced shaft (4) having shaft sections (6, 7) for generating the imbalance, two outer bearing journals (9, 10), and at least one inner bearing journal (5) that connects two of the shaft sections, at which bearing journals the unbalanced shaft is rotatably supported in associated bearing points (2, 1, 3) of the internal combustion engine. The inner bearing journal rebounds radially relative to the two shaft sections adjacent thereto and forms a radial plain bearing with the inner bearing point (2). According to the invention, the outer bearing journals should each form a radial roller bearing with the outer bearing points (1, 3).

IPC 8 full level
F16F 15/26 (2006.01); **F16C 17/02** (2006.01)

CPC (source: EP KR US)
F16C 21/00 (2013.01 - EP KR US); **F16F 15/267** (2013.01 - EP KR US); **F16C 2361/53** (2013.01 - EP KR US); **Y10T 74/2183** (2015.01 - EP US)

Citation (search report)
See references of WO 2010127959A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009020134 A1 20101111; CN 102414475 A 20120411; CN 102414475 B 20131120; EP 2427672 A1 20120314; JP 2012526248 A 20121025; JP 5474179 B2 20140416; KR 20120014138 A 20120216; US 2012037109 A1 20120216; US 8695555 B2 20140415; WO 2010127959 A1 20101111

DOCDB simple family (application)
DE 102009020134 A 20090506; CN 201080018887 A 20100427; EP 10718544 A 20100427; EP 2010055580 W 20100427; JP 2012508981 A 20100427; KR 20117026332 A 20100427; US 201013265644 A 20100427