

Title (en)

Crankshaft bearing beam for an internal combustion engine

Title (de)

Kurbelwellenlagerbrücke für eine Brennkraftmaschine

Title (fr)

Poutre à support de palier de vilebrequin pour un moteur à combustion interne

Publication

EP 1674703 A3 20091216 (DE)

Application

EP 05022960 A 20051021

Priority

DE 102004061672 A 20041222

Abstract (en)

[origin: EP1674703A2] The bridge has outer longitudinal side unit running at a distance from a crankshaft longitudinal axis. Each of the crankshaft bearing crowns (16, 17) are provided with bore halves of bearing bores for crankshaft crank pins. The crowns are supported in a direction of the axis via connecting units extending between the side units. The crowns open into a longitudinal side unit in an area on parting plane by way of widened areas. An independent claim is also included for a reciprocating piston type internal combustion engine including a crankshaft bearing bridge.

IPC 8 full level

F02F 7/00 (2006.01)

CPC (source: EP US)

F02F 7/0053 (2013.01 - EP US); **F01M 2011/0033** (2013.01 - EP US); **F02F 2007/0056** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0837236 A1 19980422 - HONDA MOTOR CO LTD [JP]
- [X] US 2003015164 A1 20030123 - CHO JAE-MAN [KR]
- [Y] DE 10357096 A1 20040916 - KS ALUMINIUM TECHNOLOGIE AG [DE], et al
- [Y] GB 2313164 A 19971119 - DAIMLER BENZ AG [DE]
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US10641202B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1674703 A2 20060628; EP 1674703 A3 20091216; EP 1674703 B1 20110420; DE 102004061672 A1 20060713;
DE 502005011271 D1 20110601; JP 2006177349 A 20060706; US 2006130799 A1 20060622

DOCDB simple family (application)

EP 05022960 A 20051021; DE 102004061672 A 20041222; DE 502005011271 T 20051021; JP 2005359696 A 20051214;
US 31375505 A 20051222