

Title (en)
Engine and straddle type vehicle

Title (de)
Motor und im Grätschsitze zu fahrendes Fahrzeug

Title (fr)
Moteur et véhicule de type chariot cavalier

Publication
EP 2031210 A3 20130417 (EN)

Application
EP 08252876 A 20080829

Priority
• JP 2007227088 A 20070831
• JP 2007312912 A 20071203
• JP 2008109854 A 20080421

Abstract (en)
[origin: EP2031210A2] An engine of the invention includes a crankcase (20), which is configured to be dividable by a dividing surface (S1) intersecting an axial center of a crankshaft (40) and an axial center of a balancer shaft (47b). When the engine is mounted on a vehicle, the axial center of the balancer shaft (47b) is disposed between a first horizontal surface (S13) intersecting the axial center of the crankshaft (40) and a second horizontal surface (S12) intersecting a lower end of a crank web.

IPC 8 full level
F16H 9/18 (2006.01); **B60K 17/04** (2006.01); **B62M 9/08** (2006.01); **F02B 61/02** (2006.01); **F16H 57/02** (2012.01); **F16H 57/023** (2012.01)

CPC (source: EP)
F02B 61/02 (2013.01); **F02B 75/06** (2013.01)

Citation (search report)
• [XY] JP H02163539 A 19900622 - YAMAHA MOTOR CO LTD
• [XY] US 5398649 A 19950321 - SHIMAMOTO MAKOTO [JP]
• [XY] JP 2007085278 A 20070405 - SUZUKI MOTOR CO
• [Y] JP 2007083849 A 20070405 - HONDA MOTOR CO LTD
• [I] EP 1433931 A2 20040630 - HONDA MOTOR CO LTD [JP]
• [I] JP 2005248966 A 20050915 - SUZUKI MOTOR CO
• [I] JP H05296040 A 19931109 - HONDA MOTOR CO LTD

Cited by
DE102016215191A1; US9739342B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08252876 A 20080829; EP 13180600 A 20080829