

Title (en)
COMBUSTION ENGINE

Title (de)
VERBRENNUNGSMOTOR

Title (fr)
MOTEUR À COMBUSTION

Publication
EP 2035668 A1 20090318 (EN)

Application
EP 07748311 A 20070702

Priority
• SE 2007000653 W 20070702
• SE 0601483 A 20060704

Abstract (en)
[origin: WO2008004949A1] The invention relates to a combustion engine with at least one piston- cylinder device, for example a so-called Otto-engine, Diesel-engine or the like, where a piston (11) is movable to and fro in a cylinder (12) and the piston via an articulatedly connected middle rod (23) is articulatedly connected to a first and a second piston rod (21,22), which piston rods at their opposite ends from the middle rod (23) are articulatedly connected to their respective one of two axis- parallel wheels (15,16) via their respective bearing points (101,102) disposed eccentrically on the respective wheels. The two wheels (15,16) are each in rotary engagement with the engine's driveshaft (13;25) and each has the same direction of rotation. The engine's compression and the piston's motion pattern can be altered by a resetting arrangement. Temporary cylinder parking is also made possible in, for example, a multi-cylinder engine.

IPC 8 full level
F02B 75/32 (2006.01); **F01B 9/02** (2006.01); **F01B 9/04** (2006.01); **F02B 75/06** (2006.01); **F16H 21/34** (2006.01)

CPC (source: EP SE)
F01B 9/02 (2013.01 - SE); **F01B 9/042** (2013.01 - EP); **F02B 75/065** (2013.01 - EP); **F02B 75/32** (2013.01 - EP SE); **F16H 21/30** (2013.01 - EP); **F16H 21/34** (2013.01 - SE)

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008004949 A1 20080110; CN 101506498 A 20090812; CN 101506498 B 20120104; EP 2035668 A1 20090318; EP 2035668 A4 20121212; SE 0601483 L 20080105; SE 531664 C2 20090623

DOCDB simple family (application)
SE 2007000653 W 20070702; CN 200780030743 A 20070702; EP 07748311 A 20070702; SE 0601483 A 20060704