

Title (en)

PISTON ENGINE, IN PARTICULAR LIQUID PISTON ENGINE

Title (de)

KOLBENMASCHINE, INSBESONDERE FLÜSSIGKEITSKOLBENMASCHINE

Title (fr)

MACHINE À PISTONS, EN PARTICULIER MACHINE À PISTONS POUR FLUIDE

Publication

EP 2430310 B1 20130109 (DE)

Application

EP 10710305 A 20100322

Priority

- EP 2010053689 W 20100322
- DE 102009003066 A 20090513

Abstract (en)

[origin: WO2010130495A1] The invention relates to a piston engine (1), in particular a liquid piston engine, comprising a plurality of piston units (10, 11, 12) which have different displacement volumes (V10, V11, V12) conditional upon the respective geometry and which can be switched off individually for discretely setting a total displacement volume (VG) of the piston engine (1). To this end, it is provided that the larger displacement volume (V11, V12) of one of the piston units (11, 12) in each case is twice as large as the next smaller displacement volume (V10, V11) of another of the piston units (10, 11).

IPC 8 full level

F04B 23/06 (2006.01); **F04B 49/03** (2006.01); **F04B 49/24** (2006.01)

CPC (source: EP US)

F04B 23/06 (2013.01 - EP US); **F04B 49/03** (2013.01 - EP US); **F04B 49/243** (2013.01 - EP US); **F04B 2201/0807** (2013.01 - EP US)

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 102009003066 A1 20101118; CN 102422021 A 20120418; EP 2430310 A1 20120321; EP 2430310 B1 20130109; US 2012036992 A1 20120216; WO 2010130495 A1 20101118

DOCDB simple family (application)

DE 102009003066 A 20090513; CN 201080020781 A 20100322; EP 10710305 A 20100322; EP 2010053689 W 20100322; US 201013266955 A 20100322