

Title (en)

Piston with two pivot bearings and double crankshaft piston engine

Title (de)

Kolben mit zwei Schwenklagern und Doppelkurbelwellen-Kolbenmaschine

Title (fr)

Piston doté de deux pivots et machine à piston à double vilebrequins

Publication

**EP 2426336 A3 20130501 (DE)**

Application

**EP 11006549 A 20110809**

Priority

US 80741310 A 20100904

Abstract (en)

[origin: EP2426336A2] The piston (1) has two pivot bearings (55, 65) for pivotably supporting a connecting rod (5, 6) at the piston around connecting rod pivot axes (Y5, Y6). The pivot axes run parallel to each other and laterally arranged at distance from each other. The pivot bearings are provided at a bearing element e.g. disk or ring, which is pivotably supported at the piston around a bearing pivot axis (Y7) that runs parallel to the rod pivot axes. The bearing pivot axis lies in center of a line (G) that connects the rod pivot axes in a pivot plane (E1). An independent claim is also included for a double crankshaft piston machine including a piston-cylinder unit.

IPC 8 full level

**F02B 75/06** (2006.01)

CPC (source: EP US)

**F02B 75/065** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2426336 A2 20120307; EP 2426336 A3 20130501; EP 2426336 B1 20170607;** EP 3088701 A1 20161102; EP 3088701 B1 20191204; ES 2774797 T3 20200722; US 2012055443 A1 20120308; US 8360028 B2 20130129

DOCDB simple family (application)

**EP 11006549 A 20110809;** EP 16000960 A 20110809; ES 16000960 T 20110809; US 80741310 A 20100904