

Title (en)

Combustion engine with mixed cam shaft

Title (de)

Brennkraftmaschine mit gemischter Nockenwelle

Title (fr)

Moteur à combustion interne doté d'un arbre à came mixte

Publication

EP 2500533 B1 20141015 (DE)

Application

EP 12001347 A 20120229

Priority

DE 102011014308 A 20110318

Abstract (en)

[origin: EP2500533A2] The engine has working cylinder with two intake valves (78) and exhaust valve (80). The valve timing of mixed camshaft (18) associated with intake and exhaust valves relative to the valve timing of other cam is adjusted in early or later stages. A cam carrier (54) is arranged axially displaceable on the joint camshaft. The different cam paths (60,62,64,66) are formed on cam carrier for cams (24,26). The grooves (56,58), driving pin (92) and cam pin (96) are provided between first and second axial positions, for axial displacement of cam carrier with respect to mixed camshaft.

IPC 8 full level

F01L 13/00 (2006.01); **F01L 1/02** (2006.01); **F01L 1/053** (2006.01); **F01L 1/18** (2006.01); **F01L 1/24** (2006.01); **F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)

F01L 1/026 (2013.01); **F01L 1/34** (2013.01); **F01L 13/0015** (2013.01); **F01L 13/0042** (2013.01); **F01L 1/185** (2013.01); **F01L 1/2405** (2013.01); **F01L 1/344** (2013.01); **F01L 2001/0537** (2013.01); **F01L 2001/34486** (2013.01); **F01L 2013/0052** (2013.01); **F01L 2305/00** (2020.05)

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

DOCDB simple family (publication)

EP 2500533 A2 20120919; EP 2500533 A3 20130206; EP 2500533 B1 20141015; DE 102011014308 A1 20120920

DOCDB simple family (application)

EP 12001347 A 20120229; DE 102011014308 A 20110318