

Title (en)
Front structure of engine

Title (de)
Frontaufbau einer Brennkraftmaschine

Title (fr)
Structure avant d'un moteur

Publication
EP 1752645 B1 20170726 (EN)

Application
EP 06016156 A 20060802

Priority
JP 2005229031 A 20050808

Abstract (en)
[origin: EP1752645A2] Disclosed is a front structure of an engine, which is provided with: a lower camshaft driving chain (14) which is arranged behind the upper camshaft driving chain (20); a chain cover (31) which covers chains (14, 20, 26) and has upper and lower front parts formed such that the lower front part is depressed toward a cylinder block (2) relative to the upper front part in a longitudinal direction of the engine (1); an auxiliary-devices driving belt (43) disposed in front of the chain cover (31); and a cantilevered arm (46) holding a belt tensioner (42) at a free end thereof, associated with the auxiliary-devices driving belt (43), and is disposed in front of the chain cover (31) in such a manner as to overlap with a looped area formed by the lower camshaft driving chain (14) in front view of the engine (1).

IPC 8 full level
F02F 7/00 (2006.01); **F02B 67/06** (2006.01)

CPC (source: EP)
F02B 67/06 (2013.01); **F02F 7/0073** (2013.01)

Cited by
FR2944562A1; CN107795376A; US11047454B2; US2013005523A1; CN102852637A; CN104350256A; US9121474B2; US8181621B2; US10167775B2; WO2014023601A1; US9683486B2; DE102012214235B4

Designated contracting state (EPC)
DE

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EP 1752645 A2 20070214; EP 1752645 A3 20110928; EP 1752645 B1 20170726; JP 2007046480 A 20070222; JP 4544088 B2 20100915

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