

Title (en)

Device for changing the phase of a camshaft relative to a crankshaft of a combustion engine

Title (de)

Vorrichtung zur Veränderung der relativen Winkellage einer Nockenwelle gegenüber einer Kurbelwelle einer Brennkraftmaschine

Title (fr)

Dispositif de modification de la phase relative d'un arbre à came par rapport au vilebrequin d'un moteur à combustion interne

Publication

EP 2273077 B1 20111102 (DE)

Application

EP 10166020 A 20100615

Priority

DE 102009034787 A 20090625

Abstract (en)

[origin: EP2273077A1] The device has a drive element driven by a crankshaft and rotatably supported opposite to a camshaft. A torsion spring is arranged between the camshaft and the drive element for retracting adjustable angular rotation between the camshaft and the drive element in an initial position. Ends of the torsion spring are arranged in recesses (5) of the camshaft, and a guide connecting rod is arranged at a ring or flange-shaped section (6) of the drive element at a distance to a rotational axis (D) of the camshaft, where one of the recesses is formed at an end of the connecting rod.

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)

F01L 1/34 (2013.01); **F01L 1/3442** (2013.01); **F01L 2001/34483** (2013.01); **F01L 2303/00** (2020.05); **F01L 2303/01** (2020.05)

Cited by

CN107075982A; DE102014219990B4; US10247059B2; WO2016037616A1

Designated contracting state (EPC)

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