

Title (en)

Internal combustion engine comprising a camshaft with axial moving device.

Title (de)

Brennkraftmaschine mit mindestens einer durch eine Verstellvorrichtung axial verschiebbaren Nockenwelle.

Title (fr)

Moteur à combustion interne à arbre à came à dispositif de positionnement axial variable.

Publication

EP 0579592 B1 19951018 (DE)

Application

EP 93890134 A 19930705

Priority

AT 143792 A 19920713

Abstract (en)

[origin: EP0579592A1] The camshaft has several switchable cams with different axial offset, per valve. It is moved by a control device. The device consists of a shift link (10) with two or more helical opposite guide grooves (10'), and a catch (11), which is moved into the grooves by a trigger (12). The guide grooves end in release grooves (10''), and engagement of the catch in one of these defines various operational positions of the camshaft (3). The guide grooves are worked into the camshaft. The catch is secured against turning about the camshaft axis (3a), pref. is connected to the cylinder head via a housing (13) of the control device. The catch is formed by a spring ring around the camshaft.

IPC 1-7

F01L 13/00; **F01L 1/26**

IPC 8 full level

F01L 1/26 (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP KR US)

F01L 1/267 (2013.01 - EP KR US); **F01L 13/0036** (2013.01 - EP KR US); **F01L 2013/0052** (2013.01 - EP KR US); **F01L 2305/00** (2020.05 - EP US); **F01L 2820/01** (2013.01 - EP KR US); **Y10T 74/2102** (2015.01 - EP US)

Cited by

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