

Title (en)
Cam phaser apparatus

Title (de)
Nockenwellenverstellanordnung

Title (fr)
Déphaseur d'arbre à cames

Publication
EP 1785597 A1 20070516 (EN)

Application
EP 05256995 A 20051112

Priority
EP 05256995 A 20051112

Abstract (en)
The invention provides a cam phaser having a helical spline member (18) which is engageable with a cam shaft (12) and sprocket shaft (16) of a piston engine. In order to change the cam phase, a nut member (24) is rotated against a lead screw (22). The lead screw translates along the sprocket shaft thereby causing the spline and hence the cam shaft to rotate relative to the sprocket shaft. The rotation of the can shaft relative to the sprocket shaft allows the cam phase to be altered.

IPC 8 full level
F01L 1/344 (2006.01); **F16D 3/10** (2006.01)

CPC (source: EP)
F01L 1/34403 (2013.01); **F01L 1/344** (2013.01)

Citation (search report)

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