

Title (en)  
Camshaft phaser

Title (de)  
Nockenwellenversteller

Title (fr)  
Déphaseur d'arbre à cames

Publication  
**EP 1596040 A2 20051116 (DE)**

Application  
**EP 05005812 A 20050317**

Priority  
DE 102004023976 A 20040514

Abstract (en)  
The plate has a drive wheel (2), propelled by a crankshaft. A cam shaft-firm drive output (3) is connected to the cam shaft. The drive wheel is propelled over a hydraulic control drive. The control drive is from a pair of hydraulic pressure chambers working against each other (12, 13). The pressure chambers are arranged over a distributor (14). The cam shaft together with a cylinder head construction unit (55) has a cam shaft axial-thrust bearing.

Abstract (de)  
Die Erfindung betrifft eine Vorrichtung zum Verändern der Steuerzeiten einer Brennkraftmaschine (Nockenwellenversteller (1)) mit einem innerhalb einer Nockenwelle (11) angeordneten Druckmittelverteiler (21). Es wird vorgeschlagen, dass der Druckmittelverteiler (21) an seinem stirnseitigen Ende mit einem sich radial erstreckenden Bund (42) versehen ist, wobei dieser Bund (42) ein Teil der Nockenwellenaxiallagerung bildet.

IPC 1-7  
**F01L 1/344**; **F01L 1/34**

IPC 8 full level  
**F01L 1/04** (2006.01); **F01L 1/34** (2006.01); **F01L 1/344** (2006.01); **F01L 9/10** (2021.01)

CPC (source: EP KR US)  
**F01L 1/34** (2013.01 - EP US); **F01L 1/3442** (2013.01 - EP US); **F01L 9/00** (2013.01 - KR); **F01L 13/00** (2013.01 - KR);  
**F01L 2001/0475** (2013.01 - EP US); **F01L 2001/34433** (2013.01 - EP US)

Citation (applicant)  
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