

Title (en)

Camshaft phasing device for a combustion engine

Title (de)

Nockenwellenversteller für eine Brennkraftmaschine

Title (fr)

Dispositif de déphasage d'arbres à came pour moteur à combustion interne

Publication

EP 2453112 B1 20131113 (DE)

Application

EP 11181270 A 20110914

Priority

DE 102010051054 A 20101111

Abstract (en)

[origin: EP2453112A1] The adjuster (2) has a control valve (18) comprising a pressurizing agent-port (P) for supplying pressurizing agent and a tank-port (T) for conveying the pressurizing agent. A pressure-controlled positioning valve (38) is connected with a control chamber pair (4), which comprises smaller and larger control chambers (A, B). The positioning valve is formed in such a manner that the smaller control chamber is connected with a supply line (56) and the larger control chamber is connected with a drain outlet (58) at an unenergized basic position (19a) of the control valve.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/3442 (2013.01 - EP US); **F01L 2001/34423** (2013.01 - EP US); **F01L 2001/34426** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **F01L 2001/34453** (2013.01 - EP US); **F01L 2001/34463** (2013.01 - EP US); **F01L 2800/01** (2013.01 - EP US)

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