

Title (en)  
Valve drive for an internal combustion engine

Title (de)  
Steuertrieb für eine Brennkraftmaschine

Title (fr)  
Entraînement de soupapes pour un moteur à combustion interne

Publication  
**EP 1085173 A3 20020410 (DE)**

Application  
**EP 00117265 A 20000816**

Priority  
DE 19960130 A 19990913

Abstract (en)  
[origin: EP1085173A2] The control drive has meshing toothed gears (13,17) located on a carrier unit (9) fastened to the engine housing. The carrier unit is fastened directly to the housing via a rigid screw connection (19) in an area on the crankshaft side, and in an area away from the crankshaft, fastening is via a clearance compensation element (21). The carrier unit is formed by two plates (11) enclosing the gears. It consists of a material, which has approx. the same heat expansion characteristics of the material of the bearing web.

IPC 1-7  
**F01L 1/02**; **F02B 67/00**; **F02B 67/04**

IPC 8 full level  
**F01L 1/02** (2006.01); **F02B 67/04** (2006.01); **F02B 75/22** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP)  
**F01L 1/02** (2013.01); **F01L 1/024** (2013.01); **F01L 1/026** (2013.01); **F02B 67/04** (2013.01); **F02B 75/22** (2013.01); **F02B 2075/184** (2013.01)

Citation (search report)

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- [DA] DE 3739243 A1 19880707 - HONDA MOTOR CO LTD [JP]
- [A] AT 1616 U1 19970825 - AVL VERBRENNUNGSKRAFT MESSTECH [AT]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 530 (M - 1485) 24 September 1993 (1993-09-24)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 388 (M - 1014) 22 August 1990 (1990-08-22)

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**EP 1085173 A2 20010321**; **EP 1085173 A3 20020410**; **EP 1085173 B1 20060322**; AT E321192 T1 20060415; DE 19960130 A1 20010315; DE 50012429 D1 20060511

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