

Title (en)  
VALVE CONTROL MEANS

Title (de)  
VENTILSTEUERANORDNUNG

Title (fr)  
SYSTEME DE COMMANDE DE SOUPAPE

Publication  
**EP 0695395 B1 19970910 (EN)**

Application  
**EP 94910474 A 19940325**

Priority  
• GB 9400619 W 19940325  
• GB 9306221 A 19930325

Abstract (en)  
[origin: WO9421899A1] The present invention provides valve control means for use in an internal combustion engine which has valve means (180), cam means comprising a rotatable camshaft (185) having a first portion (181) and a second portion (182) having a different cross section from the first portion (181). The valve control means comprises first follower means (100) engageable with the valve means (180) and engageable with the first portion (181), hydraulic lash adjuster means (101A, 101B, 102, 103, 104, 106, 107, 108, 109, 110, 111, 112) provided in the first follower means (100), second follower means (150) moveable relative to the first follower means (100) and engageable with the second portion (182) and linking means (160, 163, 167) to enable the first (100) and second (150) follower means to be linked together. The hydraulic lash adjuster means (101A, 101B, 102, 103, 104, 106, 107, 109, 110, 111, 112) has a first member (101A, 101B) which defines a closed bore, a second member (107) movable in the bore of the first member (101A, 101B) and defining with the first member (101A, 101B) a variable volume chamber (108) for hydraulic fluid, conduit means (102, 103, 106) for allowing flow of fluid to the chamber (108) and valve means (109, 110, 111, 112) for controlling the flow of fluid to and from the chamber (108). In use of the valve control means, when the first (100) and second (150) follower means are not linked the motion of the valve means (180) is controlled by the first follower means (100) and the valve means (180) is given in each engine cycle the lift of the first portion (181) and when the first (100) and second (150) follower means are linked the motion of the valve means (180) is controlled by the second follower means (150) and the valve means (180) is given in each engine cycle the lift of the second portion (182).

IPC 1-7  
**F01L 13/00; F01L 1/24**

IPC 8 full level  
**F01L 1/14** (2006.01); **F01L 1/24** (2006.01); **F01L 1/25** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP KR)  
**F01L 1/143** (2013.01 - EP); **F01L 1/24** (2013.01 - KR); **F01L 1/25** (2013.01 - EP); **F01L 13/00** (2013.01 - KR); **F01L 13/0036** (2013.01 - EP)

Citation (examination)  
• US 5193496 A 19930316 - KRUEGER HERMANN [DE]  
• EP 0608925 A1 19940803 - GEN MOTORS CORP [US]

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Designated contracting state (EPC)  
BE DE ES FR GB IT SE

DOCDB simple family (publication)  
**WO 9421899 A1 19940929**; DE 69405555 D1 19971016; DE 69405555 T2 19980219; EP 0695395 A1 19960207; EP 0695395 B1 19970910; ES 2107819 T3 19971201; GB 9306221 D0 19930519; JP 3321167 B2 20020903; JP H08508077 A 19960827; KR 100299302 B1 20011122; KR 960701282 A 19960224

DOCDB simple family (application)  
**GB 9400619 W 19940325**; DE 69405555 T 19940325; EP 94910474 A 19940325; ES 94910474 T 19940325; GB 9306221 A 19930325; JP 52083894 A 19940325; KR 19950704068 A 19950923