

Title (en)  
AUTOMATIC HYDRAULICALLY ADJUSTING VALVE LIFTER

Publication  
**EP 0335121 B1 19911127 (DE)**

Application  
**EP 89103618 A 19890302**

Priority  
DE 3810436 A 19880326

Abstract (en)  
[origin: US4876997A] A self-adjusting hydraulic valve tappet arranged in a guide bore of a cylinder head of an internal combustion engine against whose one end face a cam abuts and whose other end face lies against a valve stem which avoids the disadvantages of the prior art and achieves a durable self-tightness of the sleeve with respect to the oil reservoir independently of the deflections of the end member by using simple constructional and particularly hardly more expensive means.

IPC 1-7  
**F01L 1/24**

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

CPC (source: EP US)  
**F01L 1/25** (2013.01 - EP US)

Cited by  
DE102012104968A1; DE19505901A1; US5430934A; EP0589580A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0335121 A1 19891004; EP 0335121 B1 19911127**; DE 3810436 A1 19891012; DE 58900484 D1 19920109; ES 2028390 T3 19920701; JP H01280606 A 19891110; US 4876997 A 19891031

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**EP 89103618 A 19890302**; DE 3810436 A 19880326; DE 58900484 T 19890302; ES 89103618 T 19890302; JP 7205289 A 19890327; US 31646789 A 19890227