

Title (en)  
Valve lifter.

Title (de)  
Ventilstößel.

Title (fr)  
Poussoir de soupape.

Publication  
**EP 0490426 A1 19920617 (EN)**

Application  
**EP 91203144 A 19911202**

Priority  
• US 62869490 A 19901214  
• US 67840291 A 19910401

Abstract (en)  
A low mass hydraulic or mechanical valve lifter (14) has an oblong configuration for reduced mass, with straight or narrowed sides (23) connecting longitudinally spaced ends having depending semi-cylindrical end walls (42) that are received in similarly shaped end portions of lifter gallery openings to absorb all longitudinal and lateral side loads. The lifter (14) is preferably made by investment casting of a steel alloy. The investment casting permits the use of thin semi-cylindrical walls at each end of the valve lifter (14) which also has internal reinforcing ribs (44) extending from its underside. <IMAGE>

IPC 1-7  
**F01L 1/14**; **F01L 1/24**

IPC 8 full level  
**F01L 1/14** (2006.01); **F01L 1/24** (2006.01); **F01L 1/25** (2006.01); **F01L 1/26** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP)  
**F01L 1/25** (2013.01); **F01L 1/267** (2013.01); **F01L 13/0036** (2013.01); **F02B 2275/18** (2013.01)

Citation (search report)  
• [X] DE 3806839 A1 19890914 - BAYERISCHE MOTOREN WERKE AG [DE]  
• [X] US 4637357 A 19870120 - OHMI MASATOSHI [JP]  
• [A] EP 0108238 A1 19840516 - FIAT AUTO SPA [IT]  
• [A] EP 0267631 A1 19880518 - EATON CORP [US]

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
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