

Title (en)  
Valve guide system with forced lubrication

Title (de)  
Ventilschaftführungssystem mit Zwangsschmierung

Title (fr)  
Système de guide de soupape avec lubrification forcée

Publication  
**EP 1070832 B1 20050302 (DE)**

Application  
**EP 00107342 A 20000405**

Priority  
DE 19934780 A 19990723

Abstract (en)  
[origin: EP1070832A2] The valve stem guide has a forced lubrication system in which forced-circulation lubricant is supplied via a boring (6) in the valve stem, a transverse boring (7) and a lubrication groove (8). The oil returns through a relief groove (12) and a boring (13) to the valve casing (10). An annular groove (14) and a channel (15) prevent exhaust gas entering.

IPC 1-7  
**F01L 3/20**; **F01M 9/10**; **F01L 3/16**

IPC 8 full level  
**F01L 1/12** (2006.01); **F01L 1/26** (2006.01); **F01L 3/08** (2006.01); **F01L 3/12** (2006.01); **F01L 3/16** (2006.01); **F01L 3/20** (2006.01); **F01M 9/10** (2006.01)

CPC (source: EP)  
**F01L 1/12** (2013.01); **F01L 1/26** (2013.01); **F01L 3/08** (2013.01); **F01L 3/12** (2013.01); **F01M 9/103** (2013.01)

Cited by  
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