

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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EP 1070832 A2 20010124; **EP 1070832 A3 20010926**; **EP 1070832 B1 20050302**; DE 19934780 A1 20010125; DE 50009617 D1 20050407

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