

Title (en)

VALVE GUIDE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VENTILFÜHRUNG EINES VERBRENNUNGSMOTORS

Title (fr)

COMMANDE DE SOUPAPE POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 0970294 A1 20000112 (DE)

Application

EP 98924074 A 19980324

Priority

- DE 19712059 A 19970324
- EP 9801711 W 19980324

Abstract (en)

[origin: DE19712059A1] The invention relates to a valve (1) for an internal combustion engine, comprising a valve shaft (2) which is mounted with a ball bearing (3) with at least two spherical rings. Said bearing has little slack and is arranged in a thin-walled guide sleeve (6) exhibiting good thermoconductivity. Said sleeve (6) contains a lubricant tank (7).

IPC 1-7

F01L 3/08

IPC 8 full level

F01L 3/08 (2006.01); **F01L 3/12** (2006.01); **F01L 9/04** (2006.01); **F01L 9/20** (2021.01); **F16C 33/66** (2006.01); **F16C 35/077** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)

F01L 3/08 (2013.01); **F01L 3/12** (2013.01); **F01L 9/20** (2021.01); **H01F 7/1638** (2013.01); **H01F 2007/1692** (2013.01)

Citation (search report)

See references of WO 9842954A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19712059 A1 19981001; EP 0970294 A1 20000112; JP 2001526754 A 20011218; WO 9842954 A1 19981001

DOCDB simple family (application)

DE 19712059 A 19970324; EP 9801711 W 19980324; EP 98924074 A 19980324; JP 54323998 A 19980324