

Title (en)

Valve for combustion engine with a shield integral with the stem

Title (de)

Ventil für Brennkraftmaschine mit einer Abschirmung verbunden mit dem Schaft

Title (fr)

Système et ensemble de soupape de moteur à combustion interne comportant un écran solidaire du guide

Publication

**EP 1416127 B1 20080312 (FR)**

Application

**EP 03292749 A 20031104**

Priority

- FR 0213744 A 20021104
- FR 0213745 A 20021104

Abstract (en)

[origin: EP1416127A1] The motor vehicle internal combustion engine poppet valve has a stem (20) sliding in a guide (30). A sleeve (40) encloses the stem and is at least partially incorporated into the end of the guide. The sleeve and guide are coaxial. The embedded end of the sleeve can have a textured surface to aid retention.

IPC 8 full level

**F01L 3/20** (2006.01); **F02B 77/02** (2006.01)

CPC (source: EP)

**F01L 3/08** (2013.01); **F01L 3/20** (2013.01); **F01L 3/22** (2013.01)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 1416127 A1 20040506; EP 1416127 B1 20080312**; DE 60319650 D1 20080424; DE 60319650 T2 20090402

DOCDB simple family (application)

**EP 03292749 A 20031104**; DE 60319650 T 20031104