

Title (en)  
Exhaust valve casing.

Title (de)  
Abgasventilkorb.

Title (fr)  
Chapelle de soupape d'échappement.

Publication  
**EP 0076348 A1 19830413 (EN)**

Application  
**EP 81304727 A 19811012**

Priority  
EP 81304727 A 19811012

Abstract (en)  
For an internal combustion engine, an exhaust valve casing (11) is provided of the kind which provides a valve seat (12) and exhaust passage (11a), and supports at (14, 15) the exhaust valve (13), and a valve guide (17) therefor, separately from the cylinder head (16). The positive cooling around the peripheral wall (11f) around the exhaust passage as normally practiced in known constructions of exhaust valve casing is abolished. Thus, cooling chambers (11c, 12b) are provided only at two locations, that is, within a peripheral wall around the valve guide, and within a peripheral wall around the valve seat. Such an arrangement ensures that thermal losses from the exhaust gases passing through the exhaust passage are kept to a minimum, thereby ensuring that more energy is available for use by a supercharger, exhaust gas economiser, or the like.

IPC 1-7  
**F01L 3/18**; **F01P 3/14**

IPC 8 full level  
**F01L 3/08** (2006.01)

CPC (source: EP)  
**F01L 3/085** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
CH DE FR GB LI NL SE

DOCDB simple family (publication)  
**EP 0076348 A1 19830413**; **EP 0076348 B1 19850731**; DE 3171601 D1 19850905

DOCDB simple family (application)  
**EP 81304727 A 19811012**; DE 3171601 T 19811012