

Title (en)
COOLING ARRANGEMENT FOR MULTI-VALVE ENGINE

Publication
EP 0430258 B1 19930714 (EN)

Application
EP 90122883 A 19901129

Priority
• JP 30946689 A 19891129
• JP 32115789 A 19891211

Abstract (en)
[origin: EP0430258A1] A cooling arrangement for a multi-valve engine having a pair of adjacent exhaust ports @ @ that extend from the combustion chamber to exhaust port openings formed in the side of the cylinder head. A spark plug well (83) is formed between the exhaust passages @ and thus provides a vertical wall that precludes the flow of coolant from between the exhaust passages to the opposite side of the cylinder head. Several embodiments of arrangements are provided for insuring a circulating flow of coolant through a sub-coolant jacket formed between the passages and the spark plug well. <IMAGE>

IPC 1-7
F01P 3/14; F02F 1/40

IPC 8 full level
F01P 3/14 (2006.01); **F02B 61/02** (2006.01); **F02F 1/10** (2006.01); **F02F 1/24** (2006.01); **F02F 1/40** (2006.01); **F02F 1/42** (2006.01); **F02B 1/04** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F01P 3/14 (2013.01); **F02B 61/02** (2013.01); **F02F 1/108** (2013.01); **F02F 1/242** (2013.01); **F02F 1/40** (2013.01); **F02F 1/4214** (2013.01); **F02F 1/4221** (2013.01); **F01L 2003/251** (2013.01); **F02B 1/04** (2013.01); **F02B 2075/027** (2013.01); **F02B 2275/20** (2013.01); **F02F 2001/245** (2013.01)

Cited by
FR2812030A1; DE10035239B4

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0430258 A1 19910605; EP 0430258 B1 19930714; DE 69002222 D1 19930819; DE 69002222 T2 19931028; ES 2044378 T3 19940101

DOCDB simple family (application)
EP 90122883 A 19901129; DE 69002222 T 19901129; ES 90122883 T 19901129