

Title (en)  
CYLINDER HEADS FOR V-TYPE INTERNAL-COMBUSTION ENGINES

Publication  
**EP 0282808 B1 19911016 (DE)**

Application  
**EP 88103084 A 19880301**

Priority  
DE 3708673 A 19870317

Abstract (en)  
[origin: EP0282808A2] For the cylinder heads (13) of a liquid-cooled internal combustion engine (10) with rows of offset cylinders in opposing cylinder housings (11), in particular V-engines, a combined cylinder head (13) is proposed which has a coolant flow system with an outlet line (33) adjacent to the outlet ducts (17) as a connection between a coolant chamber (18) and a transverse duct (30), to which a longitudinal duct (19) adjacent to the inlet ducts (15) can be connected, the said longitudinal duct having one connection (20) for a manifold (21) of a heat exchanger (22) and in addition a further pipe connection (24) at the end of the cylinder head (13) remote from the transverse duct. <IMAGE>

IPC 1-7  
**F01P 3/02; F02B 75/22; F02F 1/40; F02F 7/00**

IPC 8 full level  
**F02B 75/22** (2006.01); **F02F 1/40** (2006.01); **F02F 7/00** (2006.01); **F01P 5/10** (2006.01); **F01P 7/16** (2006.01); **F02B 75/18** (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)  
**F02B 75/22** (2013.01); **F02F 1/40** (2013.01); **F02F 7/0012** (2013.01); **F01P 5/10** (2013.01); **F01P 7/16** (2013.01); **F02B 2075/1824** (2013.01); **F02F 2001/245** (2013.01)

Cited by  
FR2947767A1; DE10338778A1; DE10338778B4; US5216986A; GB2249347B; EP0474216A1

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DE ES FR GB IT SE

DOCDB simple family (publication)  
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