

Title (en)  
TUBE-SHAPED CERAMIC BODY

Publication  
**EP 0279904 A3 19890830 (DE)**

Application  
**EP 87114707 A 19871008**

Priority  
DE 3706208 A 19870226

Abstract (en)  
[origin: US4840154A] A tubular ceramic body for gas passages in a cylinder head of an internal combustion engine comprises a tubular piece having an opening, two separate tubular portions each having an end side and provided with an opening at the end side, the tubular portions merging into the tubular piece in a transition region, and a connection provided between the tubular portions at least in the transition region of the tubular portions into the tubular piece, the ceramic body being formed as a one-piece member produced in a single sintering process from a single material, and the connection of the tubular portions being formed by a common wall.

IPC 1-7  
**F02F 1/42**; **F02B 77/02**; **F02F 7/00**

IPC 8 full level  
**F02F 1/24** (2006.01); **F02B 77/02** (2006.01); **F02F 1/42** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)  
**F02F 7/0087** (2013.01 - EP US)

Citation (search report)  
• DE 3346394 C2 19860904  
• US 4346556 A 19820831 - RICE HAL H, et al

Cited by  
US5260116A; GB2231921B; DE102007026123A1; DE102007026123B4; GB2269633A; GB2269633B; EP0437302A3; EP0285312A3; US5055435A

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 4840154 A 19890620**; AT E70897 T1 19920115; DE 3706208 C1 19871022; DE 3775545 D1 19920206; EP 0279904 A2 19880831; EP 0279904 A3 19890830; EP 0279904 B1 19911227; ES 2028843 T3 19920716; JP S63215859 A 19880908

DOCDB simple family (application)  
**US 15313288 A 19880208**; AT 87114707 T 19871008; DE 3706208 A 19870226; DE 3775545 T 19871008; EP 87114707 A 19871008; ES 87114707 T 19871008; JP 28441787 A 19871112