

Title (en)
Cylinder head and manufacturing method.

Title (de)
Zylinderkopf und Verfahren zur Herstellung.

Title (fr)
Culasse de cylindre et procédé de fabrication.

Publication
EP 0119499 A1 19840926 (DE)

Application
EP 84101767 A 19840221

Priority
DE 3309699 A 19830318

Abstract (en)
[origin: US4526824A] A thermal insulation lining (1) in the exhaust duct (4) of a cylinder head (5) consists of a sintered compact (2) of ceramic material having an envelope containing or consisting of inorganic fibers.

Abstract (de)
Eine wärmeisolierende Auskleidung (1) in der Abgasleitung (4) eines Zylinderkopfes (5) besteht aus einem Sinterformkörper (2) aus keramischem Werkstoff, der eine Umhüllung (3) aus anorganischen Fasern enthält oder daraus besteht.

IPC 1-7
F02B 77/02; **F02B 77/11**

IPC 8 full level
B22D 19/14 (2006.01); **F02B 77/02** (2006.01); **F02B 77/11** (2006.01); **F02F 1/42** (2006.01); **F16L 59/14** (2006.01)

CPC (source: EP US)
F02B 77/02 (2013.01 - EP US); **F02B 77/11** (2013.01 - EP US); **F05C 2203/08** (2013.01 - EP US); **Y10S 428/92** (2013.01 - EP US); **Y10T 428/1314** (2015.01 - EP US); **Y10T 428/1331** (2015.01 - EP US); **Y10T 428/249928** (2015.04 - EP US); **Y10T 428/257** (2015.01 - EP US); **Y10T 428/26** (2015.01 - EP US)

Citation (search report)

- [Y] FR 2408557 A1 19790608 - ROSENTHAL TECHNIK AG [DE]
- [Y] FR 2365705 A1 19780421 - AUDI AG [DE]
- [A] US 3718172 A 19730227 - RICE H, et al
- [A] US 4346556 A 19820831 - RICE HAL H, et al
- [A] EP 0075844 A2 19830406 - TOYOTA MOTOR CO LTD [JP]

Cited by
US5260116A; DE3711433A1; DE10029508B4; DE102007026123A1; DE102007026123B4; EP0437303A3; EP0285312A3; US5055435A; EP0146731B1

Designated contracting state (EPC)
BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0119499 A1 19840926; **EP 0119499 B1 19870624**; DE 3309699 A1 19840927; DE 3309699 C2 19900104; DE 3464402 D1 19870730; ES 530679 A0 19851001; ES 8600488 A1 19851001; JP S59175693 A 19841004; US 4526824 A 19850702

DOCDB simple family (application)
EP 84101767 A 19840221; DE 3309699 A 19830318; DE 3464402 T 19840221; ES 530679 A 19840316; JP 4224184 A 19840307; US 58703584 A 19840307