

Title (en)
Head gasket.

Title (de)
Zylinderkopfdichtung.

Title (fr)
Joint de culasse.

Publication
EP 0516356 A1 19921202 (EN)

Application
EP 92304664 A 19920522

Priority
JP 4869391 U 19910531

Abstract (en)
A head gasket for an automobile engine comprises a metal plate (1) and discrete-cellular rubber layers (2) provided on opposite surfaces of the metal plate to ensure excellent seal even in a contact portion with a low surface pressure distant from clamping bolts, and also preventing leakage through the material even in a portion with a low surface pressure, and reducing the manufacturing cost. <IMAGE>

IPC 1-7
F02F 11/00; F16J 15/10

IPC 8 full level
F16J 15/12 (2006.01); **F02F 11/00** (2006.01)

CPC (source: EP)
F02F 11/002 (2013.01)

Citation (search report)

- [X] GB 955215 A 19640415 - MCCORD CORP
- [X] US 4049856 A 19770920 - ADAMS DAVID JOHN
- [XP] DE 4111533 A1 19911017 - NISSAN MOTOR [JP]
- [A] EP 0407765 A1 19910116 - FEL PRO INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 553 (C-663)8 December 1989 & JP-A-1 229 091 (NIPPON REINZ CO LTD) 12 September 1989
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 113 (M-944)(4056) 2 March 1990 & JP-A-1 313 658 (NIPPON REINZ CO LTD) 19 December 1989

Cited by
CN102797588A; EP1582784A1; US7771817B2; WO9529333A1

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