

Title (en)

Oil strainer structure of engine and oil return structure of engine

Title (de)

Ölfilterstruktur für einen Motor und Ölrückführungsstruktur für einen Motor

Title (fr)

Structure de filtre à huile et structure de retour d'huile de moteur

Publication

EP 2233707 A3 20101103 (EN)

Application

EP 10158500 A 20070820

Priority

- EP 07016291 A 20070820
- JP 2006230199 A 20060828
- JP 2006230200 A 20060828
- JP 2006230201 A 20060828
- JP 2006230202 A 20060828

Abstract (en)

[origin: EP1903191A2] An oil strainer 51 includes: a lower member 52 having an oil suction hole 52f opening in oil stored in an oil pan; an upper member 53 having an oil discharge hole 53a leading to an oil pump; and a strainer element 55. The lower member 52 and the upper member 53 are joined to each other with the strainer element 55 held between joint surfaces of the upper and lower members 52 and 53. Thus, it is possible to form the oil strainer 51 into a flat shape so as to be compactly arranged in a narrow space, and also maximize an area of the strainer element 55 to prevent clogging. Further, the lower member 52 and the upper member 53, which are die-molded articles, are highly flexible in their shapes, whereby the oil suction hole 52f and the oil discharge hole 53a can be arranged in the most suitable positions, and the cross-sectional area of oil flow can be sufficiently secured.

IPC 8 full level

F01M 11/00 (2006.01)

CPC (source: EP US)

F01M 11/0004 (2013.01 - EP US); **F01M 2011/007** (2013.01 - EP US)

Citation (search report)

- [A] EP 0789164 A1 19970813 - HONDA MOTOR CO LTD [JP]
- [A] US 4517951 A 19850521 - OTAKA SHOICHI [JP], et al

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AL BA HR MK RS

DOCDB simple family (publication)

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