

Title (en)

Ancillary rotary equipment for engines.

Title (de)

Rotierende Hilfsgeräte für Brennkraftmaschinen.

Title (fr)

Equipement auxiliaire rotatif pour un moteur à combustion interne.

Publication

EP 0059086 A1 19820901 (EN)

Application

EP 82300856 A 19820219

Priority

GB 8105211 A 19810219

Abstract (en)

A rotary exhauster, preferably a vane type vacuum pump and a water pump are arranged in a common housing and the rotary of the exhauster and the rotor of the water pump are mounted on and driven by a common shaft. The housing is adapted for flange mounting to an engine crankcase and this mounting includes drilling by means of which a supply of oil under pressure is led to the shaft bearings and to the vacuum pump chamber in order to provide a seal and lubricate the shaft and the vanes of the rotor. This invention has the advantage not only of a reduction in water and cost as compared with separate pumps, but also enables a much simplified belt drive associated with the engine, also plain bearings may be used instead of conventional ball bearings and leaked oil can be despatched to the engine pump by the vacuum pump exhaust.

IPC 1-7

F02B 67/06; F04C 21/00

IPC 8 full level

F01P 5/04 (2006.01); **F02B 67/06** (2006.01)

CPC (source: EP)

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Citation (search report)

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