

Title (en)
OIL-SEALED VACUUM PUMP

Title (de)
ÖLGEDICHTETE VAKUUMPUMPE

Title (fr)
POMPE A VIDE ETANCHE A L'HUILE

Publication
EP 0630446 B1 19951213 (DE)

Application
EP 93903938 A 19930209

Priority
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• EP 9300312 W 19930209

Abstract (en)
[origin: DE4208194A1] The invention concerns a method of operating an oil-sealed vacuum pump (1) with an outlet nozzle (8) provided with a flap valve (9), an oil feed duct (11) which has a valve (13) and has its outlet in the suction chamber of the pump, an electric drive motor (14) for the rotor (4) with coils (15 and 20), and a capacitor (16). The valve (13) in the oil feed duct (11) is closed when the pump (1) is switched off or in the event of a power cut. To ensure that a vacuum is maintained even when a mechanical fault occurs, it is proposed that the valve (13) in the oil feed duct (11) should be controlled by the rotational speed of the rotor (4) and drive motor (14) so as to remain open at normal operating speed and to close when speed is reduced; the auxiliary coil (20) of the motor can serve as a sensor.

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