

Title (en)

Vacuum vane pump and its method of oil supply.

Title (de)

Drehschiebervakuumpumpe und ihr Verfahren zur Ölversorgung.

Title (fr)

Pompe à vide à palettes et son procédé d'approvisionnement en huile.

Publication

**EP 0459107 B1 19940921 (DE)**

Application

**EP 91105121 A 19910330**

Priority

DE 4017191 A 19900529

Abstract (en)

[origin: EP0459107A1] The invention relates to a method of oil supply for a two-stage rotary vane pump (1) with expansion chambers (17, 21) and other points (12, 51, 54) to be supplied with lubricating oil and with an oil sump (72); in order to be able to dispense with a hydraulic pressure pump and yet ensure an adequate oil supply, it is proposed that oil be pumped from the oil sump (72) by means of the backing stage (11, 14a) of the pump (1) into an intermediate sump (27) arranged above the other points to be supplied with oil, that it be fed from this intermediate sump under the force of gravity to other points (51, 54) to be supplied with oil and that from these points it returns into the oil sump (72). <IMAGE>

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**F04C 29/02**

IPC 8 full level

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