

Title (en)

Vacuum pump with displacement space.

Title (de)

Vakuumpumpe mit Schöpfraum.

Title (fr)

Pompe à vide avec espace de déplacement.

Publication

**EP 0409287 B1 19940406**

Application

**EP 90116358 A 19870515**

Priority

- EP 90116358 A 19870515
- EP 87107089 A 19870515

Abstract (en)

[origin: EP0409287A1] The invention relates to a twin shaft vacuum pump with at least one expansion chamber, with a pair of rotors located in the or in each expansion chamber, with plates defining the expansion chamber or chambers and with a synchronisation mechanism consisting of two gear wheels located in a side chamber, the one end of one of the shafts being connected to a drive motor; in order to obtain an effective separation of the bearing chambers of the upper bearings from the expansion chambers in the case of vertically arranged vacuum pump shafts (2, 3) and synchronisation mechanism arranged below the shafts, it is proposed that the upper ends of the shafts (2, 3) be of pot-shaped design and that the shaft bearings (27) be supported on the inner walls of the pot-shaped configurations (63) and on a frustum (65) fixed to the housing and projecting into these. <IMAGE>

IPC 1-7

**F04C 23/00**; **F04C 29/00**

IPC 8 full level

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Cited by

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