

Title (en)

Internal gear pump

Title (de)

Innenzahnradpumpe

Title (fr)

Pompe à engrenages internes

Publication

EP 0640766 B1 19970102 (DE)

Application

EP 94113166 A 19940824

Priority

DE 4328733 A 19930826

Abstract (en)

[origin: US5499910A] Internal gear pump with an internal gear, a thrust plate arranged on each side of the internal gear, a powered external pinion arranged eccentrically relative to the internal gear and meshing with it, and a sickle-shaped, floating filler part split in peripheral direction and bearing with its blunt end on an axial support pin. The first segment of the filler part that faces the teeth of the pinion has a greater radial thickness than its second segment facing the teeth of the internal gear. The first segment features in the parting interface at least one axially extending groove for accommodation of a sealing element. The first segment features at least one stop for restricting wear on the surface facing the teeth of the pinion.

IPC 1-7

F04C 2/10

IPC 8 full level

F04C 2/10 (2006.01)

CPC (source: EP KR US)

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