

Title (en)

Method and arrangement for sealing a shaft passage in gear pumps

Title (de)

Verfahren und Anordnung zum Dichten einer Wellendurchführung bei Zahnradpumpen

Title (fr)

Procédé et dispositif d'étanchéité de traversée d'arbre pour pompes à engrenages

Publication

EP 0643223 B1 19980204 (DE)

Application

EP 93111510 A 19930717

Priority

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Abstract (en)

[origin: EP0643223A1] For gear pumps in particular, a shaft gland is proposed which, as seen from the plain bearing (journal, sleeve bearing) annulus or a relief chamber (M), is equipped firstly with a labyrinth seal (17) having a screw conveying direction directed towards the chamber (M) and then a sealing-fluid sealing stage (7). To ensure the sealing effect, the circulated sealing fluid (S) serves as a cooling medium (coolant) for those zones of the labyrinth seal (17), which are situated on the external side of the shaft. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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