Title (en)

INTERNAL GEAR PUMP FOR A BRAKE SYSTEM

Title (de)

INNENZAHNRADPUMPE FÜR EINE BREMSANLAGE

Title (fr)

POMPE À ENGRENAGES INTÉRIEURS POUR UNE INSTALLATION DE FREINAGE

Publication

**EP 2212559 A1 20100804 (DE)**

Application

**EP 08838841 A 20080919**

Priority

- EP 2008062563 W 20080919
- DE 102007049704 A 20071017

Abstract (en)

[origin: WO2009049991A1] The invention relates to an internal gear pump (10) for a brake system, in the pump housing (11) of which an internally toothed ring gear (12) and a pinion (13) meshing with the toothing of the ring gear (12) are pivotally supported about parallel axes, as a result of which the toothing thereof limits an approximately sickle-shaped tapering annular space, in which a filler piece (14) supported toward the intake side of the pump is arranged, the circumferential sides of said filler piece bent in accordance with the addendum circle of the ring gear toothing or of the pinion toothing resting against several tooth tips covered by said sides in a sealing manner under a spring force. According to the invention, one of the two circumferential sides of the filler piece (14) is formed by a radially resilient circumferential wall (14b, 14c), which is nestled against the tooth tips of the pinion (13) or the ring gear (12) covered by the same due to the deflection based on the inherent spring force thereof.

IPC 8 full level

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CPC (source: EP US)

**F04C 2/101** (2013.01 - EP US); **F04C 15/0019** (2013.01 - EP US)

Citation (search report)

See references of WO 2009049991A1

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