

Title (en)
INTERNAL GEAR PUMP

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Application
EP 90106863 A 19900410

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Abstract (en)
[origin: EP0398020A2] The invention relates to an internal gear pump with an internally toothed gear (2) and intermeshing with it a pinion (3), in which a filling piece (8) is inserted in the lunate space between these two gears. In order to prevent wobbling of the filling piece (8) and the noises associated with this, it is proposed, by means of hydraulic oil introduced from the pressure chamber (D) into a slot (13) in the one plane side, to press the other plane side of the filling piece (8) against the pump housing (1). The filling piece (8) can likewise be arrested in the direction of rotation (6) by means of a thrust piece also acted upon by the hydraulic oil. <IMAGE>

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F04C 2/10

IPC 8 full level
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Citation (search report)
• [A] DE 2650908 A1 19780511 - BOSCH GMBH ROBERT
• [AD] DE 2533646 C2 19860417
• [AD] US 2544144 A 19510306 - ELLIS WILLIAM P

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