

Title (en)
INTERNAL-GEAR PUMP

Title (de)
INNENZAHNRADPUMPE

Title (fr)
POMPE À ENGRENAGES INTÉRIEURS

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Application
EP 13704919 A 20130208

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Abstract (en)
[origin: WO2013143741A1] The invention relates to an internal-gear pump (1) for a hydraulic brake system of a motor vehicle. A sickle-shaped separating piece (6), which separates a suction side (7) from a pressure side (8) in a sickle-shaped pump chamber (5) of the internal-gear pump (1), has a circular-arc-shaped inner segment (14) and a circular-arc-shaped outer segment (15) which are connected to each other by a radial spring element (20) on the suction side, said radial spring element pressing the segments (14, 15) against the tooth heads of the teeth (16, 17) of the gears (2, 3) of the internal-gear pump (1). The radial spring element (20) is a leaf spring which is angled once at an acute angle, said leaf spring being designed in one piece with the segments (14, 15) and being a single-piece component of the separating piece (6).

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