

Title (en)
INTERNAL GEAR PUMP

Title (de)
INNENZAHNRADPUMPE

Title (fr)
POMPE À ENGRENAGE INTÉRIEUR

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Application
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Abstract (en)
[origin: WO2008017543A1] The invention relates to an internal gear pump (1) for feeding a fluid, preferably fuel in an internal combustion engine, having an internally-toothed toothed ring (10) and an externally-toothed pinion (11) which meshes with the toothed ring (10) in order to generate a feed action, wherein the pinion (11) is rotatably mounted on a bearing journal (12) eccentrically with respect to the toothed ring (10), and the arrangement of the toothed ring and of the pinion (11) is held in a housing (13), wherein an electrically commutable stator (14) is arranged in the housing (13), which stator (14) extends concentrically around the toothed ring (10) and interacts, in the manner of an electric motor, with a magnet ring (15) which concentrically surrounds the toothed ring (10) and is rotationally fixedly connected to the latter, wherein the magnet ring (15) performs a rotational movement with the toothed ring (10) in order to generate the feed action.

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