

Title (en)
VANE PUMP

Title (de)
ZELLENPUMPE

Title (fr)
POMPE CELLULAIRE

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Application
EP 07722160 A 20070403

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Abstract (en)
[origin: WO2007115544A1] The invention relates to a vane pump which operates by means of an eccentric revolving movement, wherein the inner ring of said vane pump is an orbiter (9) which has a guide groove (10) in which the shank (11) of one of the guide pendulums (12) of said vane pump is arranged so as to be moveable exclusively linearly, wherein a working opening (15) is arranged in the orbiter (9) adjacent to said guide groove (10) in the working direction of the shank (11), and each of the pump chambers (8) has both at least one suction opening (17) arranged in the side wall(s) which are adjacent to the working space of the orbiter (9) and at least one valve-controlled outflow opening (18) which is arranged in the side wall(s) which are adjacent to the working space of the orbiter (9), and throughflow openings (16) are arranged in the orbiter (8) between the bearings of the pendulums, and an overflow annular groove (36) is arranged opposite the suction openings (17) on the other side wall in the working space of the orbiter (9).

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