

Title (en)
POSITIVE DISPLACEMENT VANE PUMP

Title (de)
VERDRÄNGERFLÜGELZELLENPUMPE

Title (fr)
POMPE À DÉPLACEMENT POSITIF À PALETTES

Publication
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Application
EP 16810476 A 20161122

Priority
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Abstract (en)
[origin: WO2017109606A1] A variable volume positive displacement vane pump comprising: -a rotor (2) that can rotate about an axis (20) of rotation; the rotor (2) comprising the vanes (23) and slots (22) at least partially housing the vanes (23), said slots (22) crossing the rotor (2) from one side to the other along a parallel direction to that of the axis (20) of rotation; -a stator (4); the relative position between stator (4) and axis (20) of rotation of the rotor (2) is variable to allow a variation of the volume of the pump (1); the stator (4) defines internally a chamber (40) in which the rotor (2) can rotate about its own axis (20) of rotation; - centring means (5) for centring the vanes, said centring means (5) comprising a first gudgeon (41) solidly constrained to the stator (4). At least a portion of the vanes (23) extends radially between the first gudgeon (41) and a wall (45) of the stator (4) which surrounds said chamber (40).

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