Title (en)
   PUMP UNIT

Title (de)
   FÖRDERAGGREGAT

Title (fr)
   GROUPE DE TRANSPORT

Publication
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Application
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Abstract (en)
   [origin: WO2014187716A2] Pump units are known that have a drive shaft and a rotor, which is driven by the drive shaft and is arranged rotatably
   in a housing, the drive shaft having an oblique sliding plane, which interacts with the rotor and allows the rotor to nutate with the rotor axis thereof
   about a drive axis of the drive shaft, the rotor having a set of teeth on the end face of the rotor facing away from the drive shaft, said teeth meshing
   with a set of teeth formed on a housing of the pump unit, working spaces being formed between the teeth of the rotor and the teeth of the housing,
   which working spaces can be filled via an inlet and emptied via an outlet. It is disadvantageous that the pump unit has a comparatively large axial
   installation length, because the drive of the pump unit is arranged on an end of the drive shaft facing away from the rotor. In the pump unit according
   to the invention, the axial installation length is shortened. According to the invention the drive shaft (1) is surrounded by a stator (15) and magnets
   (16) are provided on the drive shaft (1), which magnets interact magnetically with the stator (15).

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Citation (search report)
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