

Title (en)  
ECCENTRIC SCREW PUMP

Title (de)  
EXZENTERSCHNECKENPUMPE

Title (fr)  
POMPE À VIS EXCENTRIQUE

Publication  
**EP 3610154 A1 20200219 (DE)**

Application  
**EP 18724439 A 20180410**

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Abstract (en)  
[origin: WO2018188694A1] The invention relates to an eccentric screw pump (1) for pumping fluids or flowing conveying media from a suction side (S) to a pressure side (D). A screw pump of said type comprises a rotor (4) and a stator (3), the stator (3) being flexible and is connected to the pump housing (6) on one side, in particular on the suction side. The rotor (4) is connected to the drive shaft (7) by means of an articulation (5). When the eccentric screw pump (1) is in the idle state, there is no sealing contact at least in areas between the rotor (4) and the stator (3) in the sealing areas. When the eccentric screw pump (1) is in the operating state, the stator (3) is surrounded, at least in sections and/or, essentially, on the periphery by the conveying medium. The rotor (4) and the stator (3) are brought into contact with each other in the operating state along the sealing area.

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