

Title (en)
ECCENTRIC SCREW PUMP HAVING AN AUTOMATIC ADJUSTMENT SYSTEM AND ADJUSTMENT METHOD

Title (de)
EXZENTERSCHNECKENPUMPE MIT EINEM AUTOMATISCHEN VERSTELLSYSTEM UND EINSTELLVERFAHREN

Title (fr)
POMPE À VIS EXCENTRÉE MUNIE D'UN SYSTÈME DE RÉGLAGE AUTOMATIQUE ET PROCÉDÉ D'AJUSTEMENT

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Abstract (en)
[origin: WO2016119775A1] The invention relates to an eccentric screw pump comprising a stator-rotor system having a rotor with a rotor screw and a stator with an inner thread. The stator comprises a support element and an elastomer part, wherein the support element completely surrounds some sections of the elastomer part. According to the invention, the stator-rotor system has an adjustment mechanism for adjusting the stator. The adjustment mechanism is coupled via a controller to at least one sensor for determining actual operating parameters of the stator-rotor system and/or of the eccentric screw pump, wherein an actuation of the adjustment mechanism can be carried out by the controller, taking into consideration the actual operating parameters determined by means of at least one sensor. The invention also relates to a method for adapting the operating state of an eccentric screw pump.

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