Title (en)

STATOR-ROTOR SYSTEM AND METHOD FOR ADJUSTING A STATOR IN A STATOR-ROTOR SYSTEM

Title (de)

STATOR-ROTOR-SYSTEM UND VERFAHREN ZUM EINSTELLEN EINES STATORS IN EINEM STATOR-ROTOR-SYSTEM

Title (fr)

SYSTÈME STATOR-ROTOR ET PROCÉDÉ DE RÉGLAGE D'UN STATOR D'UN SYSTÈME STATOR-ROTOR

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Application

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Abstract (en)

[origin: WO2016119774A1] The invention relates to a method for adjusting a stator and to a stator-rotor system (10) of a progressive cavity pump, comprising a rotor having a rotor screw and a stator (3) having an internal thread. The stator comprises a supporting element (5) and an elastomer part (4). The supporting element (5) surrounds the elastomer part (4) fully in some regions. According to the invention, the stator-rotor system has an adjustment mechanism (12) for adjusting the stator (3), which adjustment mechanism comprises two adjustment elements (13, 14), which are arranged on the stator-rotor system and the distance between which can be varied. In a first working position, the two adjustment elements (13, 14) have a first distance from each other. In a second working position, the two adjustment elements have a second distance, which is not equal to the first distance. In the second working position, the cross-section and the length of the elastomer part (4) of the stator (3) is varied in relation to the cross-section and the length of the elastomer part in the first working position.

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