

Title (en)

Stator for an eccentric screw pump or an eccentric screw motor in accordance with the Moineau principle

Title (de)

Stator für eine Exzentrerschneckenpumpe oder einen Exzentruschenkenmotor nach dem Moineau-Prinzip

Title (fr)

Stator pour une pompe à vis sans fin excentrique ou un moteur à vis sans fin excentrique selon le principe Moineau

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Application

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Abstract (en)

[origin: US2005106052A1] The invention relates to a stator for an eccentric screw pump or an eccentric worm motor, including an outer tube that is provided with a lining of rubber or a rubber-like material and has a hollow space or cavity, in the shape of a double or multiple spiral, for accommodating a rigid rotor that is also in the form of a spiral, whereby the stator has one spiral more than does the motor. So that the stator also remains functional under conditions where the fixed connection between the lining and the outer tube could be destroyed, e.g. due to chemical influences or high temperatures, the invention proposes disposing two inner tubes that have apertures in the lining.

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