

Title (en)
PROGRESSIVE CAVITY PUMP

Title (de)
EXZENTERSCHNECKENPUMPE

Title (fr)
POMPE À CAVITÉ PROGRESSIVE

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Application
EP 20800069 A 20201028

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Abstract (en)
[origin: WO2021094087A1] The invention relates to a progressive cavity pump, comprising at least: a stator (1); a rotor (2), which rotates in the stator (1); a drive (3); a pump housing (4), which is connected to the stator (1) and has at least one inlet opening or outlet opening for the medium to be conveyed; a connecting shaft (9), which is driven by the drive and rotates centrally about an axis (R) in ideal operation of the pump; a coupling rod (10), which is arranged, for example, in the pump housing (4), is articulated at the drive-side end to the connecting shaft (9) and is articulated at the rotor-side end to the rotor (2), and produces an eccentric motion of the rotor end (7) when the connecting shaft (9) rotates centrally. Said pump is characterized in that at least one sensor (15, 16) is arranged in the region of the connecting shaft (9) in order to detect or measure a deviation from true running, which sensor determines a motion profile of the connecting shaft (9) at a specified angular position of the connecting shaft by virtue of the fact that the distance of the surface of the connecting shaft (9) from the sensor (15, 16) is measured.

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