

Title (en)  
Progressive cavity pump

Title (de)  
Exzentrerschneckenpumpe

Title (fr)  
Pompe à cavité progressive

Publication  
**EP 1739307 A2 20070103 (DE)**

Application  
**EP 06009904 A 20060513**

Priority  
DE 202005008989 U 20050607

Abstract (en)  
The eccentric screw pump (1) has a rotationally driven rotor (3) mounted in a stator (2), whereby the stator consists at least in areas of an elastic material. At least one sensor (8) is provided for the stator by which compressions and/or movements of the stator or elastic material are measured in the course of the rotation of the rotor. The sensor may be a pressure transducer, force transducer and/or displacement transducer. The measurement sensor may be integrated at least in part in the elastic material of the stator.

IPC 8 full level  
**F04C 2/107** (2006.01)

CPC (source: EP)  
**F04C 2/1073** (2013.01); **F04C 2270/16** (2013.01); **F04C 2270/80** (2013.01); **F04C 2270/86** (2013.01); **F05C 2225/02** (2013.01); **F05C 2225/04** (2013.01)

Cited by  
CN101965458A; CN108422441A; CN110392785A; RU2493369C2; JP2016079971A; US11371503B2; WO2009088827A3; US11286928B2; WO2021126909A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**DE 202005008989 U1 20050811**; EP 1739307 A2 20070103

DOCDB simple family (application)  
**DE 202005008989 U 20050607**; EP 06009904 A 20060513