

Title (en)
Stator system of a progressive cavity pump

Title (de)
Statorsystem einer Exzentrerschneckenpumpe

Title (fr)
Système de stator d'une pompe de type Moineau

Publication
EP 1762726 B1 20130213 (DE)

Application
EP 06017597 A 20060824

Priority
DE 102005042559 A 20050908

Abstract (en)
[origin: EP1762726A2] Operating method involves adapting of the stator internal dimensions during the operation of the e-pump to arising circumstances. The axial length of the stator lining consisting of a flexible material is changed. The stator lining is extended or shortened for the steady distribution of the pressure or the tractive power along the longitudinal axis of the pump parallel to the running contact surfaces. An independent claim is also included for the eccentric screw pump.

IPC 8 full level
F04C 2/107 (2006.01)

CPC (source: EP KR US)
F04B 39/00 (2013.01 - KR); **F04C 2/1075** (2013.01 - EP US); **F04C 18/16** (2013.01 - KR); **F04C 29/00** (2013.01 - KR)

Cited by
EP2660471A4; US8967948B2; WO2020114879A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1762726 A2 20070314; EP 1762726 A3 20110518; EP 1762726 B1 20130213; BR PI0603768 A 20070427; BR PI0603768 B1 20180626; CA 2557691 A1 20070308; CA 2557691 C 20120703; CN 100419266 C 20080917; CN 1932289 A 20070321; DE 102005042559 A1 20070315; ES 2403431 T3 20130517; JP 2007071208 A 20070322; JP 4699963 B2 20110615; KR 101286124 B1 20130723; KR 20070029082 A 20070313; RU 2006132199 A 20080320; RU 2353811 C2 20090427; US 2007059191 A1 20070315; US 8007259 B2 20110830; ZA 200607259 B 20071227

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