

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 A3 20110518 (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)

Citation (search report)

- [XDYI] DD 279043 A1 19900523 - HYDROGEOLOGIE NORDHAUSEN HALLE [DD]
- [AD] DE 1204072 B 19651028 - COLCRETE LTD
- [Y] DE 10241753 C1 20031113 - NETZSCH MOHNOPUMPEN GMBH [DE]
- [A] DE 10029307 A1 20011220 - USD FORMTEILTECHNIK GMBH [DE]
- [A] DE 7105311 U 19711021

Cited by  
EP2660471A4; US8967948B2; WO2020114879A1

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 RS

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

DOCDB simple family (application)  
**EP 06017597 A 20060824**; BR PI0603768 A 20060908; CA 2557691 A 20060830; CN 200610151378 A 20060908; DE 102005042559 A 20050908; ES 06017597 T 20060824; JP 2006241943 A 20060906; KR 20060086223 A 20060907; RU 2006132199 A 20060907; US 51778506 A 20060908; ZA 200607259 A 20060830