

Title (en)  
COMPACT ECCENTRIC SCREW PUMP

Title (de)  
EXZENTERSCHNECKENPUMPE IN KOMPAKTBAUWEISE

Title (fr)  
POMPE A VIS SANS FIN EXCENTRIQUE DE CONCEPTION COMPACTE

Publication  
**EP 1828608 A2 20070905 (DE)**

Application  
**EP 05818999 A 20051214**

Priority  
• DE 2005002303 W 20051214  
• DE 102004060222 A 20041215

Abstract (en)  
[origin: WO2006063583A2] The invention relates to a compact eccentric screw pump comprising a sliding articulation. The long-lasting operation of the pump is ensured by a plurality of functions. According to the invention, both the reaction pressure resulting from the transport pressure and the concomitant phenomena emerging from the eccentrically rotating rotor and acting on the articulation and the drive are approximately equalised.

IPC 8 full level  
**F04C 2/107** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)  
**F04C 2/107** (2013.01 - KR); **F04C 2/1071** (2013.01 - EP US); **F04C 15/00** (2013.01 - KR); **F04C 15/0038** (2013.01 - EP US); **F04C 15/0042** (2013.01 - EP US); **F04C 2270/044** (2013.01 - EP US); **F16B 2200/30** (2018.07 - EP US); **Y10T 403/57** (2015.01 - EP US); **Y10T 403/5786** (2015.01 - EP US); **Y10T 403/61** (2015.01 - EP US)

Citation (search report)  
See references of WO 2006063583A2

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

DOCDB simple family (publication)  
**WO 2006063583 A2 20060622; WO 2006063583 A3 20061109**; BR PI0515744 A 20080805; CN 100554688 C 20091028; CN 101120173 A 20080206; DE 102004060222 A1 20060629; DE 112005003467 A5 20071122; EP 1828608 A2 20070905; JP 2008523314 A 20080703; KR 100929070 B1 20091130; KR 20070091193 A 20070907; US 2007253852 A1 20071101; US 7465157 B2 20081216

DOCDB simple family (application)  
**DE 2005002303 W 20051214**; BR PI0515744 A 20051214; CN 200580043066 A 20051214; DE 102004060222 A 20041215; DE 112005003467 T 20051214; EP 05818999 A 20051214; JP 2007545835 A 20051214; KR 20077016320 A 20051214; US 76355307 A 20070615