

Title (en)

GEAR PUMP WITH REDUCED PRESSURE IMPULSES ON THE CONVEYOR SIDE

Title (de)

ZAHNRADPUMPE MIT REDUZIERTEN DRUCKPULSATIONEN AUF DER FÖRDERSEITE

Title (fr)

POMPE À ENGRENAGE À PULSATIONS DE PRESSION RÉDUITES CÔTÉ REFOULEMENT

Publication

EP 2078163 B1 20170412 (DE)

Application

EP 07788028 A 20070730

Priority

- EP 2007057821 W 20070730
- DE 102006045932 A 20060928

Abstract (en)

[origin: WO2008037525A1] The invention relates to a gear pump in which the amplitudes of the pressure impulses in a pressure chamber (26) can be significantly reduced by a suitable embodiment of a first groove (32) and/or a second groove (34).

IPC 8 full level

F04C 2/18 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 2/086 (2013.01 - EP US); **F04C 15/0049** (2013.01 - EP US); **F04C 2/18** (2013.01 - EP US)

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006045932 A1 20080403; CN 101517235 A 20090826; CN 101517235 B 20121010; EP 2078163 A1 20090715; EP 2078163 B1 20170412; JP 2010505059 A 20100218; JP 4909415 B2 20120404; US 2010047102 A1 20100225; US 8444406 B2 20130521; WO 2008037525 A1 20080403

DOCDB simple family (application)

DE 102006045932 A 20060928; CN 200780036063 A 20070730; EP 07788028 A 20070730; EP 2007057821 W 20070730; JP 2009529627 A 20070730; US 44332807 A 20070730