

Title (en)

Eccentric drive for at least one piston of a piston pump

Title (de)

Exzenterantrieb für mindestens einen Kolben einer Kolbenpumpe

Title (fr)

Entraînement excentrique pour au moins un piston d'une pompe à piston

Publication

EP 2469088 A3 20140122 (DE)

Application

EP 11186465 A 20111025

Priority

DE 102010064053 A 20101223

Abstract (en)

[origin: EP2469088A2] The eccentric cam drive (10) has driven shaft (14) and shaft bearing (16) to surround the driven shaft, so that piston (12) is supported on driven shaft. The shaft bearing is a sliding type bearing comprising metallic sliding surface (18) and non-metallic sliding surface (20). The non-metallic sliding surface includes groove and eccentric ring that surrounds the driven shaft.

IPC 8 full level

F04B 1/04 (2006.01); **F04B 9/04** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP)

F04B 1/0413 (2013.01); **F04B 9/042** (2013.01); **F04B 9/045** (2013.01); **F04B 53/18** (2013.01); **F05C 2225/00** (2013.01); **F05C 2251/14** (2013.01)

Citation (search report)

- [X] WO 2007009664 A1 20070125 - KS GLEITLAGER GMBH [DE], et al
- [X] DE 19635164 A1 19980305 - BOSCH GMBH ROBERT [DE]
- [A] DE 102009002533 A1 20101028 - BOSCH GMBH ROBERT [DE]

Cited by

DE102013222397B4; WO2019114915A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2469088 A2 20120627; EP 2469088 A3 20140122; DE 102010064053 A1 20120628

DOCDB simple family (application)

EP 11186465 A 20111025; DE 102010064053 A 20101223