

Title (en)

LONG LIFE TELESCOPING GEAR PUMPS AND MOTORS

Title (de)

AUSZIEHBARE GETRIEBEPUMPEN UND MOTOREN VON LANGER HALTBARKEIT

Title (fr)

POMPES ET MOTEURS À ENGRENAGES TÉLESCOPIQUES À LONGUE DURÉE DE VIE

Publication

**EP 2059672 A4 20140514 (EN)**

Application

**EP 07814743 A 20070907**

Priority

- US 2007077852 W 20070907
- US 82498106 P 20060908

Abstract (en)

[origin: WO2008031012A2] A telescoping gear pump comprises a bolt, a Bellville washer, a wear plate, a seal housing, a seal spring, a spur gear including a wear lobe, a seal ring and a case drain path, a shaft, a ring gear including a wear lobe, seal ring, and a case drain path, seal, a bolt assembly including a Bellville washer and bolt, and a pressure plate. The assembly provides pressure to a fluid to maintain a seal within a telescoping pump/motor during operation. The wear lobe reduces wear while maintaining fluid pressure.

IPC 8 full level

**F03C 2/00** (2006.01); **F03C 4/00** (2006.01); **F04C 2/00** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP)

**F04C 2/101** (2013.01); **F04C 2/102** (2013.01); **F04C 14/185** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2008031012A2

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