Title (en)

RECIPROCATING DRIVE MECHANISM WITH A SPOOL VENT

Title (de)

HIN- UND HERBEWEGENDER ANTRIEBSMECHANISMUS MIT SPULENENTLÜFTUNG

Title (fr)

MÉCANISME D'ENTRAÎNEMENT ALTERNATIF PRÉSENTANT UN ÉVENT DE BOBINE

Publication

EP 3377763 B1 20201209 (EN)

Application

EP 16866838 A 20161031

Priority

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- US 2016059708 W 20161031

Abstract (en)

[origin: WO2017087146A1] A reciprocating drive mechanism. The reciprocating drive mechanism may comprise: a spool assembly and a spool housing. The spool assembly may be reciprocally movable within a spool chamber of the spool housing. The spool housing may comprise a first seal, a second seal, and a third seal. When the spool assembly is within the spool chamber, the first seal, the second seal, and the third seal may divide the spool chamber into a distal chamber, an intermediate chamber, a supply chamber, and a proximal chamber, respectively. The spool assembly may comprise a first spool vent that is in fluid communication with the distal chamber. The spool housing may comprise a first housing vent that is in fluid communication with the intermediate chamber. The first spool vent may be in fluid communication with the first housing vent when an outlet of the first spool vent is aligned within the intermediate chamber.

IPC 8 full level

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