

Title (en)

Diaphragm failure detection device for a hydraulically driven pump.

Title (de)

Anzeigevorrichtung für den Membranbruch für hydraulisch angetriebene Pumpe.

Title (fr)

DISPOSITIF DE DETECTION DE RUPTURE D'UNE MEMBRANE D'UNE POMPE A ACTIONNEMENT HYDRAULIQUE.

Publication

EP 2617997 B1 20140430 (FR)

Application

EP 13151462 A 20130116

Priority

FR 1250454 A 20120117

Abstract (en)

[origin: EP2617997A1] The device has a hollow body (21) in which a chamber (22) is formed at an end of the body and a duct (23) connects the chamber to another end. A check valve (24) allows a fluid to pass to the chamber. A piston (26) is mounted to move in translation in the body. The piston has a portion co-operating in a sealed manner with the chamber, where the portion is passed through a hole of diameter greater than that of a free ball (25) of the valve. The piston has another portion (33) co-operating in a sealed manner with the former portion to form a closed end of the piston remote from the latter end. Independent claims are also included for the following: (1) a method for mounting a break detecting device on a pump (2) a hydraulically-actuated diaphragm pump.

IPC 8 full level

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CPC (source: EP US)

F04B 43/0081 (2013.01 - EP US); **F04B 43/009** (2013.01 - EP US); **F04B 43/067** (2013.01 - EP US); **Y10T 29/49229** (2015.01 - EP US)

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