

Title (en)

High pressure seal

Title (de)

Addichtungsvorrichtung für einen Übergangsbereich an Hochdruckbauteilen

Title (fr)

Joint d'étanchéité haute pression

Publication

EP 1184572 B1 20080611 (DE)

Application

EP 01117578 A 20010720

Priority

DE 10042305 A 20000829

Abstract (en)

[origin: EP1184572A2] The sealing device has a mainly ring-shaped high pressure seal (1) located on a transitional section of the high pressure components (2,3), and a low pressure seal (12). This is positioned about the high pressure seal for sealing against any leakage occurring through that seal. The high pressure seal is of metal, e.g. steel or spring steel, or plastic, esp. elastomer, or of caoutchouc, and is under tension when fitted. The low pressure seal is of metal, plastic, caoutchouc, or of plastic-coated metal.

IPC 8 full level

F04B 53/00 (2006.01); **F04B 1/04** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 1/0448 (2013.01); **F04B 53/007** (2013.01); **F04B 53/16** (2013.01); **F02M 59/44** (2013.01); **F02M 2200/16** (2013.01)

Citation (examination)

DE 19653339 A1 19980625 - REXROTH MANNESMANN GMBH [DE]

Cited by

DE10310123A1; CN100429398C; US8590442B2; US7415920B2; WO2017220696A1; WO2004046547A1; WO2009071462A1; WO2012038198A1; WO2009135709A1

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