

Title (en)

Seal assembly and valve with same

Title (de)

Dichtungsbaugruppe und Ventil mit Dichtungsbaugruppe

Title (fr)

Composant d'étanchéité et soupape dotée d'un composant d'étanchéité

Publication

EP 2325472 B1 20130306 (DE)

Application

EP 10178682 A 20100923

Priority

DE 102009047009 A 20091123

Abstract (en)

[origin: EP2325472A1] The component has a flexible membrane (26) comprising an inner membrane edge (261) and an outer membrane edge (262). The flexible membrane with the inner membrane edge is sealed against a force transmission element (50), and with the outer membrane edge is sealed against a body (51). A medium (24) with definite flow limit is enclosed between the membrane and an area of the body, where the area is covered by the membrane. The membrane is made of stainless steel sheet metal and elastomer. A ring i.e. sliding ring (48), is fixed on the force transmission element. The medium with the definite flow limit is utilized as an elastomer and grease. The component utilizes a medium with increased flow limit such as a Bingham fluid, silicone oil and transformer oil.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F16J 3/06** (2006.01)

CPC (source: EP)

F02M 51/0603 (2013.01); **F02M 61/08** (2013.01); **F02M 61/12** (2013.01); **F02M 63/0001** (2013.01); **F02M 2200/16** (2013.01)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DE 102009047009 A1 20110526

DOCDB simple family (application)

EP 10178682 A 20100923; CN 201010559505 A 20101123; DE 102009047009 A 20091123