

Title (en)
ELEMENT THAT DEFINES A GAP AND IS TO BE MOUNTED ON A SHAFT

Title (de)
EINEN SPALT DEFINIERENDES, AUF EINER WELLE ANZUORDNENDES ELEMENT

Title (fr)
ELEMENT DEFINISSANT UNE FENTE, A MONTER SUR UN ARBRE

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Application
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Abstract (en)
[origin: WO2004036053A1] The invention relates to an element, which is to be mounted on the shaft of a non-positive-displacement machine and which forms a gap for the limited passage of a flowing medium. Said element comprises a bush-like part (2), which is to be mounted on the shaft of the non-positive-displacement machine and whose outer periphery is provided with a recess (4) for accommodating a ring (5). During operation of the non-positive-displacement machine, the ring (5), which is partially surrounded on its faces by circular ring-shaped walls of the recess (4); a) forms an axial gap with the circular ring-shaped walls of the recess (4) and forms a radial gap with the bottom of the recess, and; b) is held via frictional contact by a rigid wall (1) surrounding the ring (5). In order to reduce wear to the rings made of a soft flowable material, the invention provides that a recess is formed in the rigid wall (1) and surrounds the faces of the ring (5) that are free from the walls of the bush-like part. One of the lateral delimitations of the recess (4) is formed by a tubular part (7) detachably joined to the rigid wall (1).

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