

Title (en)

SEAL DEVICE FOR INTERPOSITION BETWEEN A PUMP BODY AND PUMP IMPELLER

Publication

EP 0167837 B1 19890315 (EN)

Application

EP 85107012 A 19850605

Priority

IT 4159184 A 19840607

Abstract (en)

[origin: EP0167837A1] The present invention concerns a seal device (1) interposed between an impeller (5) and a pump body (4). That device is composed of a seal ring (15), encircling the forward portion (9) of the impeller (5), which is accommodated in a seat (14) formed on the pump body (4). The seat (14) has such dimensions as to allow radial movement of the ring (15) on its interior. Furthermore, there is provided a means (11) of allowing a pressure force to act on the sealing element (15) at least at a portion thereof facing the forward portion (9) of the impeller (5).

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IPC 8 full level

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Cited by

EP0672832A1; US6439843B1; CN102619778A; FR3058758A1; EP0257358A3; EP4098883A1; LU500237B1; EP0905381A1; US6082964A; US5577886A; DE4302492A1; EP0492603A3; US5295786A; US7540725B2; WO2005061932A1; JP2005207402A

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