

Title (en)

SEALING FOR THE BEARING OF A CENTRIFUGE

Publication

EP 0144904 A3 19870923 (DE)

Application

EP 84114363 A 19841128

Priority

DE 3343938 A 19831205

Abstract (en)

[origin: US4583747A] A bearing seal between the internal space of a centrifuge and its drive part utilizes, in a preferred embodiment, three similar sealing elements arranged in axial succession to each other and pressed against a protective bushing of the drive shaft in an elastic manner. The protective bushing of the drive shaft has a reduced diameter in the contact area of the sealing element closest to the internal space of the centrifuge, so that protective gas introduced into the space between the sealing elements and the subsequent sealing elements flows into the internal space of the centrifuge.

IPC 1-7

B04B 9/12; F16J 15/32; F16J 15/40

IPC 8 full level

B04B 9/12 (2006.01)

CPC (source: EP US)

B04B 9/12 (2013.01 - EP US)

Citation (search report)

- [Y] DE 1432776 A1 19691211 - BIRD MACHINE CO
- [Y] US 3164420 A 19650105 - CRAMER JR FRANK B
- [YP] GB 2130918 A 19840613 - BABCOCK WERKE AG
- [A] US 2133487 A 19381018 - JAMES SPARGO RICHARD
- [A] DE 1600502 A1 19700129 - KRAUSS MAFFEI AG
- [A] DE 724555 C 19420829 - VER KUGELLAGERFABRIKEN AG
- [A] DE 2643769 A1 19780330 - HOWALDTSWERKE DEUTSCHE WERFT

Cited by

EP1849524A1; EP2181770A1; CN107234008A; CN105562222A; CN105562220A

Designated contracting state (EPC)

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