

Title (en)
Rotary seal for centrifuge.

Title (de)
Drehdichtung für Zentrifuge.

Title (fr)
Joint tournant pour centrifugeur.

Publication
EP 0619145 A3 19950405 (EN)

Application
EP 94630019 A 19940331

Priority
US 4343693 A 19930405

Abstract (en)
[origin: EP0619145A2] The rotary seal, embodying a rotary seal ring (11) and a stationary seal ring (42), for a centrifugal separator (14) including an imperforate bowl (12) has a seal ring hub (10) for supporting the rotary seal ring (11). The seal ring hub (10) is formed by an annular hub plate (50) defining a central shaft receiving opening (51). The plate (50) includes an axially extending annular lip (52) on its periphery and an axially extending annular rib (54) in spaced juxtaposition with the opening (51). A plurality of spaced apart chordally extending vanes (56) extend between the rib (54) and the lip (52) for stabilizing the plate (50) during rotation of the seal and providing a flow of cooling air around the rotary seal. <IMAGE> <IMAGE>

IPC 1-7
B04B 9/12; **B04B 15/02**

IPC 8 full level
A61M 1/02 (2006.01); **B04B 1/02** (2006.01); **B04B 5/04** (2006.01); **B04B 9/12** (2006.01); **B04B 15/02** (2006.01)

CPC (source: EP)
B04B 5/0442 (2013.01); **B04B 9/12** (2013.01); **B04B 15/02** (2013.01); **B04B 2005/0464** (2013.01)

Citation (search report)

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- [A] US 5045048 A 19910903 - KALESKAS EDWARD W [US], et al

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Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0619145 A2 19941012; **EP 0619145 A3 19950405**; JP H0775746 A 19950320

DOCDB simple family (application)
EP 94630019 A 19940331; JP 32806593 A 19931224