

Title (en)  
Rotary seal for centrifuge.

Title (de)  
Drehdichtung für Zentrifuge.

Title (fr)  
Joint tournant pour centrifugeur.

Publication  
**EP 0619145 A2 19941012 (EN)**

Application  
**EP 94630019 A 19940331**

Priority  
US 4343693 A 19930405

Abstract (en)  
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)

Cited by  
US5919125A; US6629919B2; CN103008117A; US6464624B2; US5976388A; DE19634413A1; DE19634413C2; US6475132B2; US9833794B2; WO9808611A1; WO2007071086A1; US9789243B2; US11837357B2; US11412967B2; US11801001B2; US10792416B2; US10980934B2; US10758652B2; US10980926B2; US11738124B2; US11065376B2; US11325136B2; US10946131B2; US11097042B2; US11110216B2; US11285251B2; US11369724B2; US11383013B2; US11730873B2; US8753079B2; US9206906B2; US9249885B2; US9593777B2; US10806847B2

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DE FR IT

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