

Title (en)  
SHAFT SEAL

Title (de)  
WELLENDICHTUNG

Title (fr)  
JOINT D'ARBRE

Publication  
**EP 1866560 A1 20071219 (DE)**

Application  
**EP 06725436 A 20060330**

Priority  
• EP 2006061185 W 20060330  
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Abstract (en)  
[origin: DE102005015212A1] The sealing has an inner sealing ring (18) connected with a shaft, and a stationary outer sealing ring (20) partly surrounding the inner ring. A locking gas chamber is formed by the rings, and a sealing gas is inserted into the chamber through a supply channel (22). A seal gap (40) is arranged between the rings, and is connected with the gas chamber. A discharge opening (38) is connected with the chamber and a suction chamber (12).

IPC 8 full level  
**F16J 15/447** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP KR US)  
**F04C 27/00** (2013.01 - KR); **F04C 27/009** (2013.01 - EP US); **F04D 29/104** (2013.01 - EP US); **F16J 15/406** (2013.01 - EP US);  
**F16J 15/447** (2013.01 - KR); **F04C 18/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006106069A1

Cited by  
CN105874170A; US10392956B2

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EP 1866560 A1 20071219; JP 2008534877 A 20080828; KR 20070118158 A 20071213; US 2009140495 A1 20090604;  
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