

Title (en)  
DOUBLE SEAL WITH PRESSURISED LIP

Title (de)  
DOPPELVERSIEGELUNG MIT DRUCKKLIPPE

Title (fr)  
DOUBLE JOINT A LEVRE PRESSURISE

Publication  
**EP 2140178 A2 20100106 (FR)**

Application  
**EP 08788058 A 20080327**

Priority  
• FR 2008050532 W 20080327  
• FR 0754050 A 20070327

Abstract (en)  
[origin: WO2008132410A2] The invention relates to a sealing device (12) that ensures tightness between a casing (10) and a shaft (14) rotatably mounted in said casing (10), that comprises first (24) and second (26) seals with an annular lip to be positioned axially side by side between the casing (10) and the shaft (14). The invention is characterised in that the device further includes means (45, 46, 48) for feeding a pressurised gas flow into the annular chamber (38) defined by the first lip seal (24), the second lip seal (26) and an outer surface of the shaft (22) so that, during the rotation of said shaft (22) the gas flow (F, F1, F2) is capable of slightly separating at least one of the lip seals (24, 26) from the outer surface (22) of the shaft (14) in order to flow out of the chamber (38).

IPC 8 full level  
**F16J 15/40** (2006.01); **F02C 7/28** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)  
**F16J 15/002** (2013.01 - EP US); **F16J 15/3232** (2013.01 - EP US); **F16J 15/406** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008132410A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2914384 A1 20081003**; **FR 2914384 B1 20090821**; BR PI0809521 A2 20141014; CA 2682004 A1 20081106; CN 101652590 A 20100217; EP 2140178 A2 20100106; JP 2010522857 A 20100708; RU 2009139645 A 20110510; US 2010119368 A1 20100513; WO 2008132410 A2 20081106; WO 2008132410 A3 20081224; ZA 200906987 B 20100630

DOCDB simple family (application)  
**FR 0754050 A 20070327**; BR PI0809521 A 20080327; CA 2682004 A 20080327; CN 200880010209 A 20080327; EP 08788058 A 20080327; FR 2008050532 W 20080327; JP 2010500334 A 20080327; RU 2009139645 A 20080327; US 59309408 A 20080327; ZA 200906987 A 20091007