

Title (en)  
Sealing arrangement

Title (de)  
Dichtungssystem

Title (fr)  
Dispositif d'étanchéité

Publication  
**EP 1170467 B1 20040818 (DE)**

Application  
**EP 01115078 A 20010621**

Priority  
DE 10032721 A 20000705

Abstract (en)  
[origin: EP1170467A1] Sealing system for thermal engines or processing machines comprises a closed slip ring (15), a sealing ring (5) provided with an open gap (12), and a device (6) pressing the sealing ring with its surface (10) against the surface (14) of the slip ring. The slip ring is pressed with its slip surface (4) against the contact surface (3) of the body (2) to be sealed. The slip ring is guided along a vertical axis (1) passing through the center of gravity of the slip surface into a recess (18) in a fixed housing (13). The radial wall thickness of the sealing ring is not dependent on the outer diameter of the slip ring and is guided in the housing coaxially to the slip ring. The device presses the sealing ring against the slip ring with a constant or adjustable force independent of the gas pressure. Preferred Features: The slip ring has a surface which matches the contour of the contact surface of the body to be sealed. The contact surface is flat, spherical, or cylindrical.

IPC 1-7  
**F01L 7/16**

IPC 8 full level  
**F01L 7/16** (2006.01)

CPC (source: EP)  
**F01L 7/16** (2013.01)

Cited by  
EP2573337A1; WO2013041233A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1170467 A1 20020109; EP 1170467 B1 20040818**; AT E274134 T1 20040915; DE 10032721 A1 20020117; DE 50103288 D1 20040923

DOCDB simple family (application)  
**EP 01115078 A 20010621**; AT 01115078 T 20010621; DE 10032721 A 20000705; DE 50103288 T 20010621