



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**13.04.2016 Bulletin 2016/15**

(51) Int Cl.:  
**F01D 11/00** (2006.01) **F01D 11/02** (2006.01)  
**F01D 11/12** (2006.01) **F01D 25/04** (2006.01)

(43) Date of publication A2:  
**04.09.2013 Bulletin 2013/36**

(21) Application number: **13157095.4**

(22) Date of filing: **28.02.2013**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**

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(30) Priority: **29.02.2012 JP 2012042693**

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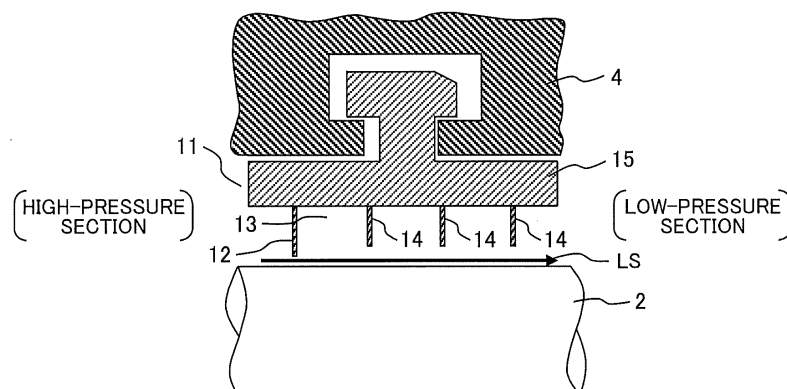
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(54) **Turbo-machinery sealing arrangement**

(57) Turbo machinery includes a rotating body (2), a stator (3, 4, 5), and a labyrinth seal (11) disposed in a gap between the rotating body and the stator. The labyrinth seal (11) includes a first seal fin (12) and a second seal fin (14). The first seal fin (12) protrudes from a portion of one of the rotating body and the stator, which is disposed on the high-pressure side of the center of the labyrinth seal in the axial direction of the rotating body, toward an opposing portion of the other one of the rotating

body and the stator. The second seal fin (14) is disposed on the low-pressure side of the first seal fin to form a cavity (13) together with the first seal fin and protrude from a portion of one of the rotating body and the stator toward an opposing portion of the other one of the rotating body and the stator. A gap to the portion opposing the first seal fin (12) is smaller than a gap to the portion opposing the second seal fin (14).

**FIG. 3**





## EUROPEAN SEARCH REPORT

 Application Number  
 EP 13 15 7095

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Place of search Munich		Date of completion of the search 3 March 2016	Examiner Lutoschkin, Eugen
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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03-03-2016

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