

Title (en)

LABYRINTH SEALING COMPRISING A KNIFE EDGE SEAL HAVING A DEFLECTOR

Title (de)

LABYRINTHSCHNEIDENDICHTUNG MIT EINEM DEFLEKTOR

Title (fr)

JOINT À LABYRINTHE COMPRENANT UNE LÉCHETTE DOTÉE D'UN DÉFLECTEUR

Publication

EP 3695102 B1 20211229 (FR)

Application

EP 18821725 A 20181116

Priority

- FR 1760758 A 20171115
- IB 2018001314 W 20181116

Abstract (en)

[origin: WO2019097286A1] A labyrinth seal lip (5) comprises, standing on one of its lateral faces (7), a deflector (13) which channels the flow of gas tangent to the lip (5) towards the facing seal (4) so as to disturb the leakage flow (22) through the gap and decrease the flow rate.

IPC 8 full level

F01D 11/02 (2006.01); **F01D 5/22** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

F01D 11/02 (2013.01 - EP US); **F01D 11/08** (2013.01 - US); **F01D 5/225** (2013.01 - EP); **F01D 11/127** (2013.01 - EP); **F05D 2240/55** (2013.01 - US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

FR 3073595 A1 20190517; **FR 3073595 B1 20200207**; CN 111356821 A 20200630; CN 111356821 B 20220715; EP 3695102 A1 20200819; EP 3695102 B1 20211229; PL 3695102 T3 20220509; US 11143049 B2 20211012; US 2021062668 A1 20210304; WO 2019097286 A1 20190523

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FR 1760758 A 20171115; CN 201880073495 A 20181116; EP 18821725 A 20181116; IB 2018001314 W 20181116; PL 18821725 T 20181116; US 201816763390 A 20181116