Title (en)
   A BRUSH SEAL

Title (de)
   BÜRSTENDICHTUNG

Title (fr)
   JOINT-BALAI

Publication
   **EP 3987201 A4 20220803 (EN)**

Application
   **EP 20826886 A 20200622**

Priority
   • TR 201909305 A 20190621
   • TR 2020050534 W 20200622

Abstract (en)
   [origin: WO2020256678A2] The present invention relates to a brush seal (1) which provides sealing between the high pressure regions and the low pressure regions around the shafts which rotate at high speed and particularly provided in turbo machines like airplane motors, vapor turbines and gas turbines, and which increases performance and which is compliant to different diameters thanks to the flexible structure thereof in circular direction and which comprises fibers (2) which provide sealing by forming a surface which prevents flow. The subject matter brush seal (1) is characterized by comprising at least two plates (4) which have notched structure and between which the bunches, formed by fibers (2), are fixed in the form of sandwich; notches (5) provided on the notched plates (4) and which provide freedom to the notched plates (4) in the direction of circular bending; extension regions (6) which have plate (4) parts which remain between the notches (5).

IPC 8 full level
   **F16J 15/3288** (2016.01); **F01D 11/00** (2006.01); **F02C 7/28** (2006.01)

CPC (source: EP)
   **F01D 11/003** (2013.01); F05D 2220/31 (2013.01); F05D 2240/56 (2013.01); F16J 15/3288 (2013.01)

Citation (search report)
   • [XAI] WO 2008127244 A1 20081023 - REXNORD IND LLC [US], et al
   • [X] US 6308957 B1 20011030 - WRIGHT CHRISTOPHER [GB]
   • [I] US 2003131602 A1 20030717 - INGISTOV STEVE [US]
   • See references of WO 2020256678A2

Designated contracting state (EPC)
   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 state (EPC)
   BA ME

DOCDB simple family (publication)
   **WO 2020256678 A2 20201224**; **WO 2020256678 A3 20210311**; EP 3987201 A2 20220427; EP 3987201 A4 20220803

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