

Title (en)  
SHIPLAP SEAL ARRANGEMENT

Title (de)  
STUFENFALZDICHTUNGSANORDNUNG

Title (fr)  
AGENCEMENT DE JOINT À FEUILLURE

Publication  
**EP 3498980 B1 20210217 (EN)**

Application  
**EP 17207850 A 20171215**

Priority  
EP 17207850 A 20171215

Abstract (en)  
[origin: EP3498980A1] A shiplap arrangement for a gas turbine having an axis A; the shiplap arrangement comprising:- a first and a second blade adjacent arranged along a circumferential direction (15) centered in the gas turbine axis A; each blade along a radial direction (14) comprising a foot configured for coupling the blade to a rotor, a shank portion provided with a downstream closing wall, a platform (19) and an airfoil (20); between the adjacent blades in the shank portion a cooling air cavity is provided that is outwardly sealed by an axial seal (22) arranged along the gap between the adjacent platforms and downstream sealed by a shiplap coupling (24) between the adjacent shank closing walls (18) ; the shiplap coupling comprising a circumferential projecting portion of the shank closing wall of the first blade and a corresponding receiving recess portion in the adjacent shank closing wall;- a radial seal (30) arranged along the gap between the projecting portion and the recess portion of the shiplap coupling (24) and housed at one side in a first radial groove realized in the projecting portion and at the other side in a second radial groove realized in the recess portion to provide a barrier against leakage flow passing through the shiplap coupling (24).

IPC 8 full level  
**F01D 11/00** (2006.01)

CPC (source: CN EP)  
**F01D 5/18** (2013.01 - CN); **F01D 11/006** (2013.01 - EP); **F01D 11/008** (2013.01 - CN); **F05D 2240/80** (2013.01 - EP)

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

DOCDB simple family (publication)  
**EP 3498980 A1 20190619; EP 3498980 B1 20210217**; CN 110005476 A 20190712; CN 110005476 B 20221108

DOCDB simple family (application)  
**EP 17207850 A 20171215**; CN 201811531048 A 20181214