

Title (en)
SHIPLAP SEAL ARRANGEMENT

Title (de)
STUFENFALZDICHTUNGSANORDNUNG

Title (fr)
AGENCEMENT DE JOINT À FEUILLURE

Publication
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Application
EP 17207850 A 20171215

Priority
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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).

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