

Title (en)

BLADE FOR A GAS TURBINE AND ELECTRIC POWER PRODUCTION PLANT COMPRISING SAID BLADE

Title (de)

BLATT FÜR EINE GASTURBINE UND EINE STROMERZEUGUNGSANLAGE MIT DIESEM BLATT

Title (fr)

PALE POUR TURBINE À GAZ ET TURBINE DE PRODUCTION D'ÉNERGIE ÉLECTRIQUE COMPRENANT CETTE PALE

Publication

EP 3828388 B1 20230628 (EN)

Application

EP 19212001 A 20191128

Priority

EP 19212001 A 20191128

Abstract (en)

[origin: EP3828388A1] A blade for a gas turbine (5) I provided with an airfoil (18) extending along a span wise direction (S) from a base (21) to a tip (22); the airfoil (18) comprising an outer wall (23) defining a leading edge (27), a trailing edge (28), a pressure side (24) and a suction side (25); the airfoil (18) enclosing at least one cooling duct (36; 36a, 36b, 36c) extending along the span wise direction (S) and fed, in use, with a cooling fluid; the tip (22) being provided with a rim (29) following the tip cross sectional profile at least along the leading edge (27), the suction side (25) and the pressure side (24); the airfoil (18) is provided with a cooling channel (42) connecting the at least one cooling duct (36; 36a) with an opening (44) at the trailing edge (28) and with at least one primary rim cooling hole (45) connected to the cooling channel (42) and arranged on the rim (29).

IPC 8 full level

F01D 5/20 (2006.01)

CPC (source: CN EP)

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