

Title (en)

GAS TURBINE AND METHOD FOR VARYING THE AERODYNAMIC SHAPE OF A GAS TURBINE BLADE

Title (de)

GASTURBINE UND VERFAHREN ZUM ÄNDERN DER AERODYNAMISCHEN GESTALT EINER GASTURBINENSCHAUFEL

Title (fr)

TURBINE À GAZ ET PROCÉDÉ DE MODIFICATION DE LA FORME AÉRODYNAMIQUE D'UNE AUBE DE TURBINE À GAZ

Publication

EP 2304184 A2 20110406 (DE)

Application

EP 09775979 A 20090717

Priority

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- DE 102008033783 A 20080718

Abstract (en)

[origin: CA2730892A1] A method for varying the aerodynamic shape of a blade (22, 24) of a gas turbine provides for this blade (22, 24) to be provided with a coating (42) composed of a shape-memory alloy. Hot air (36) is transported via channels (32) to the coated blade (22, 24), in order to cause a phase change in the coating (42), and an aerodynamic shape change to the blade (22, 24).

IPC 8 full level

F01D 5/14 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2010006591A2

Citation (examination)

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