

Title (en)

GUIDE BLADE HAVING HOOKED FASTENER FOR A GAS TURBINE

Title (de)

LEITSCHAUFEL MIT HAKENFÖRMIGEM BEFESTIGUNGSELEMENT FÜR EINE GASTURBINE

Title (fr)

AUBE FIXE AVEC UN ÉLÉMENT DE FIXATION EN FORME DE CROCHET POUR UNE TURBINE À GAZ

Publication

EP 2260181 A1 20101215 (DE)

Application

EP 09721575 A 20090218

Priority

- EP 2009051883 W 20090218
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Abstract (en)

[origin: WO2009115384A1] A guide blade (20) for a gas turbine comprises a blade leaf (11), which extends in the blade longitudinal direction, and is delimited by a front edge (14) and a rear edge (15), and a cover plate (12), the inner side (19) thereof being subjected to the hot gas flowing through the gas turbine, and on which a hooked fastener (17) for fastening the guide blade (20) on a housing of the gas turbine is provided protruding outward in the area of the rear edge, said fastener (17) having a receiving groove (22) for fixing a heat accumulation segment (24), which adjoins the cover plate (12) of the guide blade (20) in the flow direction of the hot gas, on the side thereof facing toward the rear edge (15) above the rear edge (15). In such a guide blade, the service life is lengthened in that means (23) are provided on the cover plate (12) of the guide blade (20) between the receiving groove (22) and the rear edge (15) for reducing the thermal and mechanical strains in the area of the transition (21) between rear edge (15) and cover plate (12).

IPC 8 full level

F01D 9/04 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009115384A1

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