

Title (en)

System for cooling the trailing edge of a hollow gasturbine blade

Title (de)

Kühlsystem für den Hinterkantenbereich einer hohlen Gasturbinenschaufel

Title (fr)

Système de refroidissement pour le bord de fuite des aubes creuses d'une turbine à gaz

Publication

**EP 0892150 B1 20030205 (DE)**

Application

**EP 97810475 A 19970714**

Priority

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Abstract (en)

[origin: EP0892150A1] The arrangement comprises internal cooling fins (8), which run from the web (9) across the flanks, to the trailing edge (5). On the high-pressure flank (7) the fins are inclined radially outwards from the web to the trailing edge. On the low pressure flank (6) the fins are inclined radially inwards from the web to the trailing edge, and on each flank, the fins are approximately parallel. The fin height increases from zero at the flank/web intersection to a height, which varies along its length, to zero at the trailing edge. The ratio of the local height (h) of the fin to the local width (H) of the cooling passage (3) is constant over the length of the fin. Fins nearer the blade root are taller than those further from the root. The distance between adjacent fins can vary over the length of the blade.

IPC 1-7

**F01D 5/18**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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