

Title (en)

Blade vovs for a turbomachine with suction slots.

Title (de)

Schaufelgitter für Turbomaschinen mit Saugschlitzten.

Title (fr)

Grilles d'aubes pour turbomachine munie de fentes d'aspiration.

Publication

EP 0475329 B1 19941130 (FR)

Application

EP 91115218 A 19910909

Priority

FR 9011336 A 19900913

Abstract (en)

[origin: EP0475329A2] Blade grating for a turbomachine comprising blades (A, B) arranged between a floor and a ceiling, and the floor and/or ceiling of which is equipped with a suction slit (4, 4') in the vicinity of at least some blades (A), said slit (4, 4') having a first end (6) arranged along the suction face in a region of the blade (A) extending from the zone of maximum curvature (7) to the neck (8) of the channel (3) between this blade (A) and the adjacent (B), characterised in that said slit (4, 4') is oriented along an isobaric line and is of such a length that the second end (9) is set apart from the suction face of the blade (A) at a distance of between one quarter and one half of the width of the neck (8) of the channel (3). <??>Turbomachine comprising this blade grating. <??>Reduction of secondary losses and improvement of performance. <IMAGE>

IPC 1-7

F01D 5/14; **F04D 29/68**

IPC 8 full level

F01D 9/02 (2006.01); **F01D 5/14** (2006.01); **F01D 9/04** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

F01D 5/145 (2013.01 - EP US); **F04D 29/682** (2013.01 - EP US); **Y10S 415/914** (2013.01 - EP US)

Citation (examination)

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