

Title (en)
BLADE VOWS FOR A TURBOMACHINE WITH SUCTION SLOTS

Publication
EP 0475329 A3 19920603 (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 (search report)
• [A] FR 2438157 A1 19800430 - ALSTHOM ATLANTIQUE
• [A] WO 8000728 A1 19800417 - ALSTHOM ATLANTIQUE [FR], et al
• [A] US 4146352 A 19790327 - YASUGAHIRA NORIO, et al
• [AD] PATENT ABSTRACTS OF JAPAN vol. 1, no. 118 (M-77)(3758) 8 Octobre 1977 & JP-A-52 054 807 (HITACHI SEISAKUSHO) 5 Avril 1977

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EP2003292A3

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0475329 A2 19920318; **EP 0475329 A3 19920603**; **EP 0475329 B1 19941130**; AT E114780 T1 19941215; CN 1060891 A 19920506; CS 281991 A3 19920318; DE 69105418 D1 19950112; DE 69105418 T2 19950420; FR 2666846 A1 19920320; FR 2666846 B1 19921016; JP H04279701 A 19921005; MX 9101073 A 19940630; US 5232338 A 19930803; ZA 917326 B 19920527

DOCDB simple family (application)
EP 91115218 A 19910909; AT 91115218 T 19910909; CN 91109583 A 19910913; CS 281991 A 19910913; DE 69105418 T 19910909; FR 9011336 A 19900913; JP 23487191 A 19910913; MX 9101073 A 19910912; US 75937291 A 19910913; ZA 917326 A 19910913