

Title (en)

Turbine rotor blade for subsonic flow.

Title (de)

Turbomaschinenschaufel für subsonische Verhältnisse.

Title (fr)

Aube de turbine à flux subsonique.

Publication

EP 0520288 B1 19940907 (DE)

Application

EP 92110107 A 19920616

Priority

CH 192491 A 19910628

Abstract (en)

[origin: EP0520288A1] On a turbine rotor blade for subsonic flow with a profile contour, convexly curved in the area of the leading edge and over the greater part of the suction side (S) and with a profile contour concavely curved in the area of the pressure side (D), the profile contour in the suction side trailing edge area is of concave (K) design. In this area the momentum deficit thickness determining the profile loss is thereby reduced.
<IMAGE>

IPC 1-7

F03B 3/12

IPC 8 full level

F01D 5/14 (2006.01)

CPC (source: EP US)

F01D 5/141 (2013.01 - EP US); **F01D 5/145** (2013.01 - EP US); **Y10S 415/914** (2013.01 - EP US)

Cited by

US6022188A; CN109356666A; WO9819048A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0520288 A1 19921230; EP 0520288 B1 19940907; DE 59200459 D1 19941013; JP H05187202 A 19930727; US 5228833 A 19930720

DOCDB simple family (application)

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