

Title (en)

Compressor blade tip seal.

Title (de)

Einrichtung um die Blattspitzenverluste bei Kompressoren zu vermindern.

Title (fr)

Système de réduction des pertes des extrémités des aubes tournants auprès des compresseurs.

Publication

EP 0194957 A2 19860917 (EN)

Application

EP 86630032 A 19860306

Priority

US 71027085 A 19850311

Abstract (en)

The trench inner wall surrounding the tips (28) of axial flow fan/compressor blades (26) in a turbine type power plant is angularly disposed relative to the gas path wall (20) to allow deeper penetration into the trench and minimize leakage around the tips (28). Gap closure between the inner wall (37) of the trench and tip (28) is contemplated by the contour of the blade/trench.

IPC 1-7

F01D 11/08; **F01D 5/20**

IPC 8 full level

F01D 5/20 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP)

F01D 5/20 (2013.01); **F01D 11/08** (2013.01); **F04D 29/164** (2013.01)

Cited by

EP1840332A1; EP0536575A1; DE19738671A1; DE19738671B4; EP0528138A1; US5238364A; US10550699B2; WO2014189564A3

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