

Title (en)  
TIP-SEALING DEVICE FOR AXIAL TURBINES

Publication  
**EP 0219721 B1 19890419 (DE)**

Application  
**EP 86113379 A 19860929**

Priority  
DE 3535106 A 19851002

Abstract (en)  
[origin: US4732534A] A rotor blade jacket for an axial gas turbine has a closed ceramic ring surrounding the blade tips of the turbine rotor and surrounded by a protective metal ring holding heat expansion compensating bristles which are secured at their radially outer ends to the protective metal ring and at their radially inner ends to the ceramic ring, whereby the ceramic ring is supported and centered in the turbine housing.

IPC 1-7  
**F01D 11/08**

IPC 8 full level  
**F01D 11/08** (2006.01)

CPC (source: EP US)  
**F01D 11/08** (2013.01 - EP US)

Cited by  
US5137421A

Designated contracting state (EPC)  
CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0219721 A1 19870429; EP 0219721 B1 19890419**; DE 3535106 A1 19870416; DE 3535106 C2 19870716; DE 3662931 D1 19890524; JP H0650042 B2 19940629; JP S62174504 A 19870731; US 4732534 A 19880322

DOCDB simple family (application)  
**EP 86113379 A 19860929**; DE 3535106 A 19851002; DE 3662931 T 19860929; JP 23544886 A 19861001; US 91129586 A 19860924