

Title (en)
SHROUDED MULTISTAGE TURBINE

Publication
EP 0118769 A3 19850424 (DE)

Application
EP 84101311 A 19840209

Priority
DE 3308140 A 19830308

Abstract (en)
[origin: US4571937A] A multi-stage turbine having shrouded turbine blades which has a stationary guide grid arranged between the rotor shroud and the turbine casing. By virtue of the construction of the guide grid, leakage and cooling air (escape air) of the rotor blade can be adapted to the low whirl of the main stream passing through the rotor to effectively prevent misaligned entry into the following turbine stage.

IPC 1-7
F01D 11/00

IPC 8 full level
F01D 11/00 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP US)
F01D 11/00 (2013.01 - EP US); **F01D 11/08** (2013.01 - EP US)

Citation (search report)

- [Y] DE 2000314 A1 19710715 - HUNDRIESER ULRICH
- [Y] GB 1364511 A 19740821 - MO ENERGETICHESKIJ INSTITUT
- [A] DE 2462465 A1 19770428 - MASCHF AUGSBURG NUERNBERG AG [DE]
- [A] US 4370094 A 19830125 - AMBROSCH FRIEDRICH [DE], et al
- [A] FR 2404101 A1 19790420 - HITACHI LTD [JP]
- [A] US 3575523 A 19710420 - GROSS FRED J JR
- [A] US 3867061 A 19750218 - MOSKOWITZ SEYMOUR

Cited by
EP0601119A4; US5489186A

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

DOCDB simple family (publication)
EP 0118769 A2 19840919; EP 0118769 A3 19850424; EP 0118769 B1 19870408; DE 3308140 A1 19840913; DE 3308140 C2 19851219; DE 3463070 D1 19870514; JP S59168202 A 19840921; US 4571937 A 19860225

DOCDB simple family (application)
EP 84101311 A 19840209; DE 3308140 A 19830308; DE 3463070 T 19840209; JP 4149084 A 19840306; US 58683584 A 19840306