

Title (en)
AXIAL FLOW TURBINE NOZZLE

Publication
EP 0058532 A3 19830427 (EN)

Application
EP 82300699 A 19820212

Priority
JP 2014681 U 19810217

Abstract (en)
[origin: EP0058532A2] In an axial flow turbine, such as an exhaust gas turbine, in order to prevent the driving gas from escaping through the slits (9) formed in an outer nozzle ring (8) of integral type construction, which divide said ring into several segments so as to facilitate differential thermal expansion, and thus by-passing the regular flow of the gas through the nozzle structure, filler metals (15) are located in the slits. Preferably, the radial depth of the filler metals is shorter than the slits, and they are fixed e.g. by fixing bolts (17) and tongues (16) provided on the filler metals, so as not to protrude beyond the inner diameter of the outer nozzle ring.

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F02B 39/00 (2006.01); **F01D 9/02** (2006.01); **F01D 9/04** (2006.01)

CPC (source: EP)
F01D 9/04 (2013.01)

Citation (search report)

- [X] GB 1580884 A 19801210 - ROLLS ROYCE
- [X] GB 1348446 A 19740320 - WESTINGHOUSE ELECTRIC CORP
- [A] GB 1126718 A 19680911 - GEN MOTORS CORP
- [A] FR 1286534 A 19620302 - AUSTIN MOTOR CO LTD
- [A] US 3728041 A 19730417 - BERTELSON R
- [A] GB 1358798 A 19740710 - BBC SULZER TURBOMASCHINEN
- [A] US 3752598 A 19730814 - BOWERS D, et al
- [A] CH 409527 A 19660315 - LICENTIA GMBH [DE]
- [A] GB 1018168 A 19660126 - GEN ELECTRIC
- [A] DE 2849747 A1 19800529 - VOLKSWAGENWERK AG
- [A] DE 1925573 A1 19691127 - WESTINGHOUSE ELECTRIC CORP
- [A] FR 1297540 A 19620629 - GEN ELECTRIC
- [A] DE 1950812 A1 19700618 - WESTINGHOUSE ELECTRIC CORP
- [A] JP S5427604 A 19790301 - TOKYO SHIBAURA ELECTRIC CO

Cited by
WO2005042926A1; CN101936193A; DE102005062562A1; EP1697617A4; CN104487659A; WO2014009203A1; US7128522B2; EP2847439B1

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