

Title (en)

Radial diffuser for bleed off of an axial turbomachine

Title (de)

Radialdiffusor für Zapfstrom bei einer axialen Turbomaschine

Title (fr)

Diffuseur radial pour un fluide de déviation d'une turbomachine axiale

Publication

**EP 0741234 A3 19981223 (DE)**

Application

**EP 96810257 A 19960423**

Priority

DE 19515926 A 19950502

Abstract (en)

[origin: EP0741234A2] The engine has a housing with an extraction chamber (7) which has an internal radial diffuser (23) positioned on the extraction aperture (6). The ratio between diffuser discharge radius (R2) and intake radius (R1), is larger than 1.3. The diffuser has a running length (L) and an extraction width (H). The ratio of its length to its width is at least 10. A deflection grid (24) is located on the diffuser outlet (26). The diffuser is formed by a wall (9) of the extraction chamber, and a diffuser wall (20). The diffuser wall is fastened in the chamber via guide grooves (21,22).

IPC 1-7

**F01D 1/04**; **F01D 9/00**

IPC 8 full level

**F01D 9/02** (2006.01); **F01D 17/10** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP)

**F01D 17/105** (2013.01)

Citation (search report)

- [A] GB 2192229 A 19880106 - ROLLS ROYCE PLC
- [A] DE 4326799 A1 19950216 - ABB MANAGEMENT AG [CH]

Cited by

DE19834530A1; CN105736076A; EP2987967A1; DE102013212881A1

Designated contracting state (EPC)

CH DE FR GB LI SE

DOCDB simple family (publication)

**EP 0741234 A2 19961106**; **EP 0741234 A3 19981223**; CN 1140791 A 19970122; DE 19515926 A1 19961107; JP H08303206 A 19961119; PL 179810 B1 20001031; PL 314032 A1 19961112

DOCDB simple family (application)

**EP 96810257 A 19960423**; CN 96108036 A 19960502; DE 19515926 A 19950502; JP 11098296 A 19960501; PL 31403296 A 19960429