

Title (en)

Steam turbine exhaust diffuser

Title (de)

Dampfturbinenauslassdiffusor

Title (fr)

Diffuseur de sortie de turbine à vapeur

Publication

**EP 1772595 A3 20090225 (EN)**

Application

**EP 06255126 A 20061004**

Priority

US 24397405 A 20051006

Abstract (en)

[origin: EP1772595A2] An axial flow steam turbine includes an exhaust diffuser in the form of a volute (40) for diffusing the exhaust steam and turning the exhaust steam from a generally axial flow direction to a generally radial direction. The volute exit (46) may be at the bottom or to one side of the steam turbine. The volute and casing are independently mounted relative to one another on a foundation with a flexible joint therebetween.

IPC 8 full level

**F01D 25/28** (2006.01); **F01D 25/30** (2006.01)

CPC (source: EP US)

**F01D 25/28** (2013.01 - EP US); **F01D 25/30** (2013.01 - EP US); **F05D 2220/31** (2013.01 - EP US)

Citation (search report)

- [XY] US 4390319 A 19830628 - GARKUSHA ANATOLY V [SU], et al
- [XY] GB 105933 A 19170504 - BAUMANN KARL
- [Y] US 4961310 A 19901009 - MOORE JAMES H [US], et al

Cited by

CN106460562A; WO2015156804A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1772595 A2 20070411**; **EP 1772595 A3 20090225**; CN 1944962 A 20070411; JP 2007100701 A 20070419; US 2007081892 A1 20070412

DOCDB simple family (application)

**EP 06255126 A 20061004**; CN 200610142032 A 20060930; JP 2006273597 A 20061005; US 24397405 A 20051006