

Title (en)
TURBINE HOUSING

Title (de)
TURBINENGEHÄUSE

Title (fr)
BOÎTIER DE TURBINE

Publication
EP 2054587 A2 20090506 (DE)

Application
EP 07802890 A 20070824

Priority

- EP 2007058849 W 20070824
- EP 06405366 A 20060824
- EP 06405365 A 20060824
- EP 07802890 A 20070824

Abstract (en)
[origin: WO2008023068A2] It is an object of the invention to improve the outflow region of an axial turbine in terms of flow using simple means. According to the invention, this is achieved in that, in an axial turbine, the housing is formed, in the outflow region from the diffuser to the gas outlet housing, as one component with a combined inner and outer flow duct. As a result of the integration of the diffuser into the gas outlet housing, a housing is created which is aerodynamically optimized and ensures a maximum flow deceleration with minimum pressure loss.

IPC 8 full level
F01D 9/02 (2006.01); **F02B 37/00** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR)
F01D 9/02 (2013.01 - KR); **F01D 9/026** (2013.01 - EP); **F01D 25/24** (2013.01 - EP KR); **F01D 25/30** (2013.01 - EP); **F02B 37/00** (2013.01 - KR); **F04D 29/44** (2013.01 - KR); **F05D 2250/70** (2013.01 - EP)

Citation (search report)
See references of WO 2008023068A2

Cited by
DE102019101602A1

Designated contracting state (EPC)
DE GB

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008023068 A2 20080228; WO 2008023068 A3 20080619; CN 101506476 A 20090812; CN 101506476 B 20110914; DE 502007002221 D1 20100114; EP 2054587 A2 20090506; EP 2054587 B1 20091202; JP 2010501774 A 20100121; KR 101055231 B1 20110809; KR 20090035599 A 20090409

DOCDB simple family (application)
EP 2007058849 W 20070824; CN 200780031434 A 20070824; DE 502007002221 T 20070824; EP 07802890 A 20070824; JP 2009525081 A 20070824; KR 20097003585 A 20070824