

Title (en)  
Turbine casing for an axial gas turbine

Title (de)  
Turbinengehäuse für eine axial durchströmte Gasturbine

Title (fr)  
Boîtier pour turbine de gaz axiale

Publication  
**EP 1138881 B1 20050803 (DE)**

Application  
**EP 01106613 A 20010316**

Priority  
DE 10016082 A 20000331

Abstract (en)  
[origin: EP1138881A2] The turbine housing has a hot gas chamber (5) between compressor stage (7) and turbine stage (6), and outer shell (1) and an internal part (2). This separates the hot gas chamber from the outer shell via an intermediate chamber (3). The internal part is connected to the outer shell via two axial joints (4) so that the intermediate chamber is sealed against the hot gas chamber. Outer shell and internal part consists of different materials, so that sufficient surface contact pressure is generated at the joints during operation of the gas turbine.

IPC 1-7  
**F01D 25/26**; **F01D 25/14**

IPC 8 full level  
**F01D 25/14** (2006.01); **F01D 25/24** (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)  
**F01D 25/243** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US); **F05D 2220/32** (2013.01 - EP US)

Cited by  
EP2009250A3; US8197186B2; US8393855B2

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 1138881 A2 20011004**; **EP 1138881 A3 20031008**; **EP 1138881 B1 20050803**; CN 1320764 A 20011107; DE 10016082 A1 20011004; DE 50106934 D1 20050908; US 2001025479 A1 20011004; US 6484511 B2 20021126

DOCDB simple family (application)  
**EP 01106613 A 20010316**; CN 01109509 A 20010328; DE 10016082 A 20000331; DE 50106934 T 20010316; US 82109001 A 20010330