

Title (en)
Axial turbine with containment

Title (de)
Axialturbine mit Berstschutz

Title (fr)
Turbine axiale avec protection contre des éclatements

Publication
EP 1260677 B1 20060628 (DE)

Application
EP 02010986 A 20020517

Priority
DE 10125250 A 20010523

Abstract (en)
[origin: DE10125250C1] The axial turbine for an exhaust gas turboloader has an exhaust gas diffuser (9) whose outer wall (10) is in two radial sections (11, 12) with an annular support wall (13) between them. The outer radial section (11) extends over the axial region of the turbine disk (7). A cover ring (19) is fitted between the support wall and inner section (12) of the diffuser. The wall (5) of the turbine housing section (4) on the gas exit side extends radially over the central plane (23) of the turbine.

IPC 8 full level
F01D 21/04 (2006.01); **F02B 39/00** (2006.01); **F01D 1/20** (2006.01); **F01D 25/24** (2006.01); **F02C 6/12** (2006.01)

CPC (source: EP)
F01D 21/045 (2013.01); **F05D 2220/40** (2013.01)

Cited by
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Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
DE 10125250 C1 20020912; **DE 10125250 C5 20070329**; DE 50207358 D1 20060810; EP 1260677 A2 20021127; EP 1260677 A3 20050209; EP 1260677 B1 20060628; EP 1260677 B2 20161102; JP 2003003804 A 20030108; JP 4153722 B2 20080924

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DE 10125250 A 20010523; DE 50207358 T 20020517; EP 02010986 A 20020517; JP 2002142424 A 20020517