

Title (en)
Diffuser and turbine

Title (de)
Diffusor und Turbine

Title (fr)
Diffuseur et turbine

Publication
EP 1559874 B1 20130731 (DE)

Application
EP 04002250 A 20040202

Priority
EP 04002250 A 20040202

Abstract (en)
[origin: EP1559874A1] Diffuser (17) comprises a Helmholtz resonator mounted on a housing (19) and having a damping frequency that corresponds to the intrinsic frequency of the diffuser. The Helmholtz resonator is provided in the form of a Helmholtz bottle (23a) and the housing has especially a number of Helmholtz bottles, in the form of an annular, slotted Helmholtz tube extending especially along the periphery of the housing, or in the form of a slit-shaped Helmholtz opening in the housing that extends especially along the housing periphery (27). An independent claim is also included for a turbine comprising the above diffuser.

IPC 8 full level
F01D 25/04 (2006.01); **F01D 25/30** (2006.01)

CPC (source: EP)
F01D 25/04 (2013.01); **F01D 25/30** (2013.01); **F05D 2260/962** (2013.01)

Cited by
US9920628B2; US8061961B2; EP2674574A1; EP2674575A1; US8313286B2; US8955643B2; EP2924245A1; US2015267538A1; CN104948243A; JP2015183693A; FR3142509A1; WO2010014127A1

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