

Title (en)

Exhaust gas system with Helmholtz resonator

Title (de)

Abgassystem mit Helmholtz-Resonator

Title (fr)

Dispositif pour gaz d'échappement comprenant un résonateur de Helmholtz

Publication

EP 1213538 B1 20060906 (DE)

Application

EP 01811076 A 20011108

Priority

CH 24002000 A 20001208

Abstract (en)

[origin: EP1213538A2] The exhaust gas system for an industrial gas turbine comprises an exhaust gas pipe (12) connected to a stack (14). A Helmholtz resonator (24) is fitted at the junction between the two so that its output zone (30) is at the pressure maximum of an acoustic mode. This damps low frequency vibrations.

IPC 8 full level

F01D 25/30 (2006.01); **F23J 13/00** (2006.01); **F23J 13/06** (2006.01)

CPC (source: EP US)

F01D 25/30 (2013.01 - EP US); **F23J 13/00** (2013.01 - EP US); **F23M 20/005** (2015.01 - EP US); **F05D 2260/96** (2013.01 - EP US); **F23J 2900/13003** (2013.01 - EP US)

Cited by

WO2010018069A1; EP1865259A3; EP2072896A3; CN105091006A; CH699322A1; JP2011530689A; US8205714B2

Designated contracting state (EPC)

CH DE FR GB LI NL

DOCDB simple family (publication)

EP 1213538 A2 20020612; **EP 1213538 A3 20020731**; **EP 1213538 B1 20060906**; DE 50110932 D1 20061019; US 2002108810 A1 20020815; US 6705428 B2 20040316

DOCDB simple family (application)

EP 01811076 A 20011108; DE 50110932 T 20011108; US 99196701 A 20011126