

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 A3 20020731 (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 1-7  
**F23J 13/06**; F01D 25/30; F23J 13/00

IPC 8 full level  
**F01D 25/30** (2006.01); **F23J 13/00** (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)

Citation (search report)

- [XY] EP 0723123 A1 19960724 - FASTO NEFIT BV [NL]
- [Y] DE 19612987 A1 19960926 - VAILLANT JOH GMBH & CO [DE]
- [Y] DE 4414232 A1 19951026 - ABB MANAGEMENT AG [CH]
- [A] WO 8908909 A1 19890921 - INFRASONIK AB [SE]
- [A] DE 2240709 A1 19730426 - SNCF
- [A] FR 2378176 A1 19780818 - BERTIN & CIE [FR]

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

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