

Title (en)
Device and method for after-treatment of exhaust gases

Title (de)
Anordnung und Verfahren zur Nachbehandlung von Abgasen

Title (fr)
Dispositif et procédé de post-traitement des gaz d'échappement

Publication
EP 1321643 B1 20041013 (DE)

Application
EP 02028305 A 20021217

Priority
DE 10162383 A 20011219

Abstract (en)
[origin: EP1321643A1] The exhaust gas treatment device has a reduction stage (14) for nitrous oxides inserted in the exhaust gas line (16) close to the engine (1), upstream of a device (24,26) for removal of particles and nitrous oxides. The reduction stage is heated by the engine exhaust gases, for reduction of nitrous oxides in engine operating conditions in which the subsequent device is non-operational, e.g. at low engine loadings or revs. <??>An Independent claim for a method for treatment of diesel engine exhaust gases is also included.

IPC 1-7
F01N 3/08; **F01N 3/025**

IPC 8 full level
F01N 3/023 (2006.01); **F01N 3/025** (2006.01); **F01N 3/08** (2006.01); **F01N 3/029** (2006.01); **F01N 3/035** (2006.01); **F01N 3/20** (2006.01); **F01N 3/32** (2006.01); **F01N 7/02** (2006.01); **F01N 13/02** (2010.01); **F02B 37/00** (2006.01)

CPC (source: EP)
F01N 3/023 (2013.01); **F01N 3/0231** (2013.01); **F01N 3/0253** (2013.01); **F01N 3/0293** (2013.01); **F01N 3/0842** (2013.01); **F01N 3/0871** (2013.01); **F01N 3/0885** (2013.01); **F01N 13/009** (2014.06); **F01N 13/0093** (2014.06); **F01N 3/035** (2013.01); **F01N 3/0814** (2013.01); **F01N 3/0821** (2013.01); **F01N 3/2006** (2013.01); **F01N 3/32** (2013.01); **F01N 2250/02** (2013.01); **F01N 2250/12** (2013.01); **F01N 2250/14** (2013.01); **F01N 2430/06** (2013.01); **F01N 2570/14** (2013.01); **F02B 37/00** (2013.01)

Cited by
DE102018206355B3; EP2093396A1; FR2880065A1; EP2184454A4; FR2943730A1; US2012096836A1; FR2943728A1; US2012011846A1; FR2879237A1; FR2920472A1; FR2941264A1; FR2943729A1; EP2039899A4; DE102012211119A1; US8276369B2; WO2007065558A1; WO2010109101A1; WO2010109100A1; WO2006069652A1; WO2004079170A1; US8122706B2; US8230674B2; US7930881B2; US8752367B2; EP1837496B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1321643 A1 20030625; **EP 1321643 B1 20041013**; DE 10162383 A1 20030717; DE 50201277 D1 20041118

DOCDB simple family (application)
EP 02028305 A 20021217; DE 10162383 A 20011219; DE 50201277 T 20021217