

Title (en)  
METHOD FOR THE AFTERTREATMENT OF EXHAUST GASES OF INTERNAL COMBUSTION ENGINES AND CORRESPONDING DEVICE

Title (de)  
VERFAHREN ZUR NACHBEHANDLUNG VON ABGASEN VON BRENNKRAFTMASCHINEN UND EINRICHTUNG HIERFÜR

Title (fr)  
PROCEDE DE TRAITEMENT ULTERIEUR DE GAZ D'ÉCHAPPEMENT DE MOTEUR À COMBUSTION INTERNE ET DISPOSITIF CORRESPONDANT

Publication  
**EP 1456512 A1 20040915 (DE)**

Application  
**EP 02792605 A 20021121**

Priority

- DE 0204286 W 20021121
- DE 10159849 A 20011206

Abstract (en)  
[origin: WO03050399A1] The invention relates to a method and a device for the aftertreatment of exhaust gases of internal combustion engines, especially for reducing the NO<sub>x</sub>-part of the exhaust gases. According to the invention, the NO<sub>x</sub> is reduced in the presence of O<sub>2</sub> by means of a reducing agent (K). The invention is characterised in that at least one part of the NO<sub>x</sub> or NO in the exhaust gas is transformed into NO<sub>2</sub> before the reduction of the NO<sub>x</sub>.

IPC 1-7  
**F01N 3/20**; **F01N 3/08**

IPC 8 full level  
**F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F01N 3/28** (2006.01); **F01N 3/36** (2006.01)

CPC (source: EP US)  
**F01N 3/0892** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 2240/28** (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 03050399A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03050399 A1 20030619**; DE 10159849 A1 20030626; EP 1456512 A1 20040915; JP 2005511962 A 20050428; US 2005102999 A1 20050519

DOCDB simple family (application)  
**DE 0204286 W 20021121**; DE 10159849 A 20011206; EP 02792605 A 20021121; JP 2003551410 A 20021121; US 49741104 A 20041217