Title (en)
Method for the monitoring of the increased production of nitrogen oxides

Title (de)
Verfahren zur Überwachung der verstärkten Bildung von Stickoxiden

Title (fr)
Procédé pour la surveillance de l'augmentation de production d'oxydes d'azote

Publication
EP 1164286 A3 20061206 (DE)

Application
EP 00127160 A 20001212

Priority
• DE 10011631 A 20000310
• LU 90495 A 19991224

Abstract (en)
[origin: EP1164286A2] Monitoring process for the formation of NOx during fossil fuel combustion comprises determining conductivity values of combustion gases for negatively charged particles, then values for positively charged particles which arise in an identical process, comparing the two results; and establishing the formation of nitrogen oxides when the conductivity values increasingly deviate during the comparison. Process for monitoring the formation of NOx during combustion of fossil fuels comprises determining first conductivity values of the combustion gases during combustion for negatively charged particles; comparing the first conductivity values with second conductivity values for positively charged particles which arise in the combustion gas during a further combustion process under identical conditions; and establishing the formation of NOx when the conductivity values increasingly deviate during the comparison.

IPC 8 full level
F02P 19/02 (2006.01); **F02D 35/02** (2006.01); **F02D 41/14** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP)
F02D 35/021 (2013.01); **F02P 17/12** (2013.01); **F02P 19/028** (2013.01); F02D 41/146 (2013.01)

Citation (search report)
• [A] DE 4038640 A1 19910606 - MATTER & SIEGMANN AG [CH]
• [A] DE 19816641 C1 19991007 - DAIMLER CHRYSLER AG [DE]
• [A] DE 4239592 A1 19930527 - MITSUBISHI ELECTRIC CORP [JP]

Cited by
EP1489296A1; GB2454402B; US7373803B2

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

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
EP 1164286 A2 20011219; **EP 1164286 A3 20061206**; **EP 1164286 B1 20070926**; AT E374315 T1 20071015; DE 50014676 D1 20071108

DOCDB simple family (application)
EP 00127160 A 20001212; AT 00127160 T 20001212; DE 50014676 T 20001212