Title (en)
METHOD AND DEVICE FOR MEASURING THE EMISSIONS OF ENGINES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR EMISSIONSMESSUNG AN MOTOREN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE MESURE D'ÉMISSIONS SUR DES MOTEURS

Publication
EP 2195518 A1 20100616 (DE)

Application
EP 08801818 A 20080903

Priority
- EP 2008007189 W 20080903
- DE 102007042748 A 20070907

Abstract (en)
[origin: WO2009033597A1] The invention relates to a method and a device for determining specific emissions as an exhaust gas characteristic of an internal combustion engine. Said method is characterised in that the exhaust gas mass flow (3) is determined as the first operating parameter and the engine power output (2) as the second operating parameter, the nitrous oxide mass flow (3) and the engine power output (2) are derived from a respective measured value that deviates from the operating parameter and the exhaust gas characteristic is calculated as a quotient from the corrected exhaust gas mass flow (3) and the engine power output (2).

IPC 8 full level
F02D 41/02 (2006.01)

CPC (source: EP US)
F02D 41/0235 (2013.01 - EP US); **F02D 41/1461** (2013.01 - EP US); **F02D 41/18** (2013.01 - EP US); F02D 41/1452 (2013.01 - EP US); F02D 41/1453 (2013.01 - EP US); F02D 41/1458 (2013.01 - EP US); F02D 41/1459 (2013.01 - EP US); F02D 2200/0406 (2013.01 - EP US); F02D 2200/0414 (2013.01 - EP US); F02D 2200/0616 (2013.01 - EP US); F02D 2200/1002 (2013.01 - EP US); F02D 2200/101 (2013.01 - EP US); F02D 2200/703 (2013.01 - EP US)

Citation (search report)
See references of WO 2009033597A1

Citation (examination)
- DE 10216278 A1 20031106 - SIEMENS AG [DE]
- DE 10216260 A1 20031106 - SIEMENS AG [DE]
- US 2003042151 A1 20030306 - ANDO MASASHI [JP], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007042748 A1 20090312; **DE 102007042748 B4 20090625**; CN 101828018 A 20100908; EP 2195518 A1 20100616; KR 20100065316 A 20100616; US 2011016948 A1 20110127; US 8527179 B2 20130903; WO 2009033597 A1 20090319; WO 2009033597 A8 20090522

DOCDB simple family (application)
DE 102007042748 A 20070907; CN 200880105728 A 20080903; EP 08801818 A 20080903; EP 2008007189 W 20080903; KR 20107004903 A 20080903; US 67707008 A 20080903