

Title (en)
Desulfuration of a NOx trap

Title (de)
Entschwefelung eines NOx-Speichers

Title (fr)
Désulfuration d'un piège à oxydes d'azote d'un véhicule automobile

Publication
EP 2431594 B1 20180613 (FR)

Application
EP 11305886 A 20110708

Priority
FR 1057501 A 20100920

Abstract (en)
[origin: EP2431594A1] The method involves setting a long lean period (18) for increasing oxygen storage capacity parameter of a nitrogen oxide trap, where the long lean period has duration that ranges between 20 and 60 seconds. An end of the short lean period (17) is determined by applying a law, where the short lean period has duration that ranges between 5 and 30 seconds. An end of rich period (16) is determined by applying the law for restarting a short lean period. An independent claim is also included for a power train of a motor vehicle.

IPC 8 full level
F02D 41/14 (2006.01); **F02D 41/02** (2006.01)

CPC (source: EP)
F02D 41/028 (2013.01); **F02D 41/1408** (2013.01); **F02D 2200/0802** (2013.01); **F02D 2200/0816** (2013.01)

Citation (examination)

- US 6823843 B1 20041130 - GORALSKI JR CHRISTIAN T [US], et al
- US 5713199 A 19980203 - TAKESHIMA SHINICHI [JP], et al
- US 2004255574 A1 20041223 - TAMURA YASUKI [JP]

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

DOCDB simple family (publication)
EP 2431594 A1 20120321; **EP 2431594 B1 20180613**; FR 2965017 A1 20120323; FR 2965017 B1 20140509

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