

Title (en)
EXHAUST PURIFICATION SYSTEM FOR INTERNAL COMBUSTION ENGINE

Title (de)
ABGASREINIGUNGSSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
SYSTÈME DE PURIFICATION D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 2891786 A3 20151021 (EN)

Application
EP 14191276 A 20141031

Priority
JP 2013226391 A 20131031

Abstract (en)
[origin: EP2891786A2] Opportunity for execution of rich control is secured whereby NO x can be removed well. An NO x storage catalyst (14) is arranged in an engine exhaust passage. When it is judged that rich control execution conditions stand, rich control is executed in order to release NO x or SO x from the NO x storage catalyst. When it is judged that the rich control execution conditions do not stand, the gear position where the rich control execution conditions would stand when assuming the gear position of a transmission (25) were changed under a constant engine output is found as a target gear position. An indicator (27) is used to display an indication that the gear position should be changed to the target gear position to a vehicle operator. When the vehicle operator changes the gear position to the target gear position and it is thereby judged that the rich control execution conditions stand, rich control is executed.

IPC 8 full level
F02D 41/02 (2006.01)

CPC (source: EP)
F02D 41/023 (2013.01); **F02D 41/0275** (2013.01); **F02D 41/028** (2013.01); **F02D 2200/604** (2013.01)

Citation (search report)

- [I] DE 19852600 A1 20000518 - BOSCH GMBH ROBERT [DE]
- [I] WO 0153664 A2 20010726 - VOLKSWAGEN AG [DE], et al
- [I] EP 0474401 A2 19920311 - LUCAS IND PLC [GB]
- [I] WO 2005019616 A1 20050303 - VOLVO LASTVAGNAR AB [SE], et al
- [A] WO 2007145553 A1 20071221 - VOLVO LASTVAGNAR AB [SE], et al
- [A] EP 1544442 A2 20050622 - SIEMENS AG [DE]

Cited by
FR3119644A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2891786 A2 20150708; **EP 2891786 A3 20151021**; JP 2015086798 A 20150507; JP 5904191 B2 20160413

DOCDB simple family (application)
EP 14191276 A 20141031; JP 2013226391 A 20131031