

Title (en)
EXHAUST SYSTEM FOR A DIESEL ENGINE

Title (de)
ABGASREINIGUNGSSYSTEM FÜR EINEN DIESELMOTOR

Title (fr)
SYSTÈME D'ÉCHAPPEMENT POUR MOTEUR DIESEL

Publication
EP 2705226 A1 20140312 (EN)

Application
EP 12726912 A 20120501

Priority
• NL 2006705 A 20110502
• NL 2006993 A 20110624
• NL 2012050304 W 20120501

Abstract (en)
[origin: WO2012158022A1] An exhaust gas system for a diesel engine comprises a filter 9 that includes channels extending in the direction of flow and having porous walls 13 which are clad with an SCR catalyst coating 25. Neighbouring channels are alternately shut off by end plugs 15, 17 at the inlet end and the outlet end, as a result of which the exhaust gas is forced to flow through the walls. The walls 13 are coated with an AMOX catalyst coating 29 from the end 21 over a distance 27. The end plugs 17 in the outlet ends have a length that at least equals said distance 27. As a result, one side of the wall sections coated with the AMOX catalyst coating is covered and the exhaust gas cannot but flow first through the wall sections coated with SCR catalyst coating 25 and only then can the exhaust gas flow past the wall sections coated with the AMOX catalyst coating 29.

IPC 8 full level
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CPC (source: EP US)
F01N 3/0222 (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2510/06** (2013.01 - US); **F01N 2510/0682** (2013.01 - EP US); **F01N 2570/18** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2012158022A1

Citation (examination)
WO 2012135871 A1 20121004 - BASF CORP [US], et al

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)
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DOCDB simple family (application)
NL 2012050304 W 20120501; EP 12726912 A 20120501; NL 2006993 A 20110624; US 201214115207 A 20120501