

Title (en)

CATALYST SYSTEM FOR TREATING NO_x- AND PARTICLE-CONTAINING DIESEL EXHAUST GAS

Title (de)

KATALYSATORSYSTEM ZUR BEHANDLUNG VON NO_x- UND PARTIKELHALTIGEM DIESELABGAS

Title (fr)

SYSTÈME CATALYSEUR DE TRAITEMENT DES GAZ D'ÉCHAPPEMENT DIESEL CONTENANT DU NO_x ET DES PARTICULES

Publication

EP 2931405 A1 20151021 (DE)

Application

EP 13789490 A 20131108

Priority

- EP 12192178 A 20121112
- EP 2013003374 W 20131108
- EP 13789490 A 20131108

Abstract (en)

[origin: WO2014072067A1] The present invention relates to a catalyst system for treating Diesel exhaust gas, which comprises in the direction of flow of the exhaust gas - a nitrogen oxide storage catalyst containing a nitrogen oxide storage component and precious metal, - and-a Diesel particulate filter which contains precious metal selected from the series of platinum, palladium and platinum and palladium, characterized in that the precious metal load of the nitrogen oxide storage catalyst is 100 to 180 g/ft³ (3.53 to 6.36 g/l) and the precious metal load of the Diesel particulate filter is 5 to 35 g/ft³ (0.18 to 1.24 g/l).

IPC 8 full level

B01D 53/94 (2006.01); **B01J 23/42** (2006.01); **B01J 23/44** (2006.01); **B01J 23/58** (2006.01); **F01N 3/035** (2006.01); **F01N 3/08** (2006.01)

CPC (source: EP US)

B01D 53/9431 (2013.01 - US); **B01D 53/9477** (2013.01 - EP US); **B01J 21/04** (2013.01 - EP US); **B01J 23/42** (2013.01 - EP US); **B01J 23/44** (2013.01 - EP US); **B01J 23/464** (2013.01 - EP US); **B01J 29/126** (2013.01 - EP US); **B01J 29/22** (2013.01 - EP US); **B01J 29/44** (2013.01 - EP US); **B01J 29/7415** (2013.01 - EP US); **B01J 35/19** (2024.01 - EP US); **B01J 35/56** (2024.01 - EP US); **B01J 37/0246** (2013.01 - EP US); **B01J 37/0248** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/0814** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **B01D 2255/1021** (2013.01 - US); **B01D 2255/1023** (2013.01 - US); **B01D 2255/1025** (2013.01 - US); **B01D 2255/2063** (2013.01 - US); **B01D 2255/2092** (2013.01 - US); **B01D 2255/402** (2013.01 - EP US); **B01D 2255/502** (2013.01 - US); **B01D 2255/91** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2014072067A1

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)

DE 202013011730 U1 20140403; CN 104780997 A 20150715; EP 2931405 A1 20151021; JP 2016502460 A 20160128; JP 6285945 B2 20180228; KR 102088152 B1 20200312; KR 20150079986 A 20150708; US 2015273394 A1 20151001; US 9527036 B2 20161227; WO 2014072067 A1 20140515

DOCDB simple family (application)

DE 202013011730 U 20131108; CN 201380058683 A 20131108; EP 13789490 A 20131108; EP 2013003374 W 20131108; JP 2015541038 A 20131108; KR 20157015583 A 20131108; US 201314442022 A 20131108