

Title (en)

NOVEL SCR CATALYSTS AND AFTER-TREATMENT DEVICES FOR DIESEL ENGINE EXHAUST GAS

Title (de)

NEUE SCR-KATALYSATOREN UND NACHBEHANDLUNGSVORRICHTUNGEN FÜR DIESELMOTORABGAS

Title (fr)

NOUVEAUX CATALYSEURS DE REDUCTION CATALYTIQUE SELECTIVE ET DISPOSITIFS DE POST-TRAITEMENT POUR GAZ D'ECHAPPEMENT DE MOTEUR DIESEL

Publication

EP 2318674 A1 20110511 (EN)

Application

EP 08793086 A 20080806

Priority

- KR 2008004572 W 20080806
- KR 20080076607 A 20080805

Abstract (en)

[origin: WO2010016631A1] Disclosed is an SCR catalyst composition having improved NO_x conversion and a device for post- treating diesel engine exhaust gas using the same. The SCR catalyst composition can effectively convert NO_x generated from an engine into harmless components. The device, which improves the NO_x conversion, includes an SCR catalyst module disposed downstream of a diesel engine and having an injector, an oxidation catalyst module disposed downstream of the SCR catalyst module, and a catalyst soot filter module, all of which are successively arranged in series.

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP KR US)

B01D 53/9418 (2013.01 - EP US); **B01D 53/9477** (2013.01 - EP US); **F01N 3/10** (2013.01 - KR); **F01N 3/106** (2013.01 - EP US); **F01N 3/20** (2013.01 - KR); **F01N 3/2066** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **B01D 53/944** (2013.01 - EP US); **B01D 2251/2062** (2013.01 - EP US); **B01D 2251/2067** (2013.01 - EP US); **B01D 2255/1021** (2013.01 - EP US); **B01D 2255/1023** (2013.01 - EP US); **B01D 2255/1025** (2013.01 - EP US); **B01D 2255/20738** (2013.01 - EP US); **B01D 2255/20761** (2013.01 - EP US); **B01D 2255/50** (2013.01 - EP US); **B01D 2258/012** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2330/02** (2013.01 - EP US); **F01N 2330/06** (2013.01 - EP US); **F01N 2370/04** (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2010016631A1

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)

WO 2010016631 A1 20100211; EP 2318674 A1 20110511; KR 101011760 B1 20110207; KR 20100016947 A 20100216; US 2011126525 A1 20110602

DOCDB simple family (application)

KR 2008004572 W 20080806; EP 08793086 A 20080806; KR 20080076607 A 20080805; US 200813056284 A 20080806