

Title (en)
Exhaust gas purifying apparatus

Title (de)
Abgasreinigungsvorrichtung

Title (fr)
Appareil de purification des gaz d'échappement

Publication
EP 2295754 A1 20110316 (EN)

Application
EP 10170432 A 20100722

Priority
JP 2009182741 A 20090805

Abstract (en)
An exhaust gas purification apparatus (101,102) includes an oxidation catalyst (12) provided in a passage through which exhaust gas flows, a urea decomposition accelerator (13), a selective catalytic reduction catalyst (15,25) provided downstream of the urea decomposition accelerator (13) and a urea water supplying device (18) for supplying urea water to the urea decomposition accelerator (13). The urea decomposition accelerator (13) is provided downstream end surface of the oxidation catalyst (12) and has at least one of hydrophilic function and hydrolytic catalytic function.

IPC 8 full level
F01N 3/20 (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP US)
F01N 3/103 (2013.01 - EP US); **F01N 3/105** (2013.01 - EP US); **F01N 3/2073** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **F01N 13/0097** (2014.06 - EP US); **F01N 2240/40** (2013.01 - EP US); **F01N 2510/00** (2013.01 - EP US)

Citation (applicant)

- JP 2001511494 A 20010814
- JP H06509020 A 19941013
- JP 2006009608 A 20060112 - HINO MOTORS LTD

Citation (search report)

- [X] DE 102005012066 A1 20060921 - EMITEC EMISSIONSTECHNOLOGIE [DE]
- [X] DE 19734627 C1 19990114 - MAN NUTZFAHRZEUGE AG [DE]
- [X] WO 2009060599 A1 20090514 - HINO MOTORS LTD [JP], et al
- [X] JP 2006274845 A 20061012 - MITSUBISHI FUSO TRUCK & BUS
- [A] EP 1890016 A2 20080220 - EMITEC EMISSIONSTECHNOLOGIE [DE]
- [XP] DE 102008022990 A1 20091112 - EMITEC EMISSIONSTECHNOLOGIE [DE]

Cited by
EP2529091B1; CN109653842A; US10113462B2; US10837341B2; WO2014072717A1; US10934919B2; US9604174B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
US 2011030350 A1 20110210; EP 2295754 A1 20110316; EP 2295754 B1 20121219; JP 2011033000 A 20110217; KR 20110014524 A 20110211

DOCDB simple family (application)
US 85008010 A 20100804; EP 10170432 A 20100722; JP 2009182741 A 20090805; KR 20100075189 A 20100804