

Title (en)

ELECTRICALLY HEATED DIESEL OXIDATION CATALYST

Title (de)

ELEKTRISCH BEHEIZTER DIESELOXIDATIONSKATALYSATOR

Title (fr)

CATALYSEUR D'OXYDATION POUR DIESEL, À CHAUFFAGE ÉLECTRIQUE

Publication

EP 2480764 A4 20150610 (EN)

Application

EP 10819526 A 20100924

Priority

- US 24601209 P 20090925
- US 64337409 A 20091221
- US 2010050183 W 20100924

Abstract (en)

[origin: US2011072805A1] An exhaust gas aftertreatment system (10) for a vehicle having an engine (14) includes a fluid passageway (20) extending from the engine to an ambient (18) for fluidly communicating exhaust gas (F). A diesel particulate filter (30) is disposed on the fluid passageway downstream of the engine (14). Disposed downstream of the engine (14) and upstream of the diesel particulate filter (30) is an electric diesel oxidation catalyst (24) having a substrate (34). A first electrode (40) and a second electrode (46) are attached to the electric diesel oxidation catalyst (24). The first electrode (40) selectively delivers current through the substrate (34) to the second electrode (46) to generate heat at the substrate (34).

IPC 8 full level

F01N 3/00 (2006.01); **F01N 3/027** (2006.01); **F01N 3/10** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP US)

F01N 3/027 (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/106** (2013.01 - EP US); **F01N 3/2026** (2013.01 - EP US); **F01N 3/281** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

- [A] WO 2004067927 A1 20040812 - ILJIN ELECTRONIC CO LTD [KR], et al
- See references of WO 2011038218A1

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

DOCDB simple family (publication)

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DOCDB simple family (application)

US 64337409 A 20091221; BR 112012007435 A 20100924; CN 201080053906 A 20100924; EP 10819526 A 20100924; US 2010050183 W 20100924