

Title (en)

SCR CATALYTIC COATING ON PARTICULATE FILTERS

Title (de)

SCR-KATALYTISCHE BESCHICHTUNG AUF PARTIKELFILTER

Title (fr)

REVÊTEMENT CATALYTIQUE SRC SUR DES FILTRES À PARTICULES

Publication

EP 3665370 A1 20200617 (EN)

Application

EP 18756133 A 20180805

Priority

- US 201762543643 P 20170810
- US 2018045299 W 20180805

Abstract (en)

[origin: WO2019032409A1] Coated particulate filters and methods for their manufacture disclosed. The particulate filters comprise a honeycomb body having a plurality of porous channel walls defining channels extending from an inlet end to an outlet end. The honeycomb body has an upstream zone having an upstream zone gas permeability and a downstream zone disposed closer to the outlet end than the upstream zone and having a downstream zone gas permeability. SCR catalyst is present in a loading in the downstream zone at localized loading in a range of from about 50 g/L to about 200 g/L such that the upstream zone gas permeability is in a range of about 5 to about 90 times the downstream zone gas permeability.

IPC 8 full level

F01N 3/022 (2006.01); **F01N 3/035** (2006.01); **F01N 3/20** (2006.01)

CPC (source: EP US)

B01D 46/2418 (2013.01 - US); **F01N 3/0222** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **B01D 46/0001** (2013.01 - US); **B01D 46/2482** (2021.08 - US); **B01D 46/2484** (2021.08 - US); **B01D 2255/92** (2013.01 - US); **F01N 2330/06** (2013.01 - EP US); **F01N 2510/063** (2013.01 - EP); **F01N 2510/0682** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP)

Citation (search report)

See references of WO 2019032409A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2018045299 W 20180805; CN 201880051879 A 20180805; EP 18756133 A 20180805; JP 2020507009 A 20180805; MX 2020001571 A 20180805; US 201816636810 A 20180805