

Title (en)
MUTLI-LAYER THREE-WAY CATALYTIC CONVERTER

Title (de)
MEHRSCHICHTIGER DREIWEGEKATALYSATOR

Title (fr)
POT CATALYTIQUE À TROIS VOIES MULTICOUCHE

Publication
EP 3727654 A1 20201028 (DE)

Application
EP 18826338 A 20181219

Priority
• EP 17208615 A 20171219
• EP 2018085961 W 20181219

Abstract (en)
[origin: WO2019121372A1] The present invention relates to a particulate filter which comprises a wall flow filter of length L and two different catalytically active coatings Y and Z, wherein the wall flow filter comprises channels E and A that extend in parallel between a first and a second end of the wall flow filter and are separated by porous walls which form the surfaces OE and OA, respectively, and wherein the channels E are closed at the second end and the channels A are closed at the first end. The invention is characterized in that the coating Y is located in the channels E on the surfaces OE and the coating Z is located in the porous walls.

IPC 8 full level
B01D 53/94 (2006.01); **B01J 23/63** (2006.01); **B01J 35/00** (2006.01); **F01N 3/10** (2006.01)

CPC (source: EP US)
B01D 53/945 (2013.01 - EP US); **B01D 53/9468** (2013.01 - US); **B01J 21/066** (2013.01 - US); **B01J 23/10** (2013.01 - US); **B01J 23/464** (2013.01 - US); **B01J 23/63** (2013.01 - EP US); **B01J 35/19** (2024.01 - US); **B01J 35/56** (2024.01 - US); **F01N 3/035** (2013.01 - EP US); **F01N 3/101** (2013.01 - EP US); **F01N 3/28** (2013.01 - US); **F01N 3/2825** (2013.01 - US); **B01D 2255/1021** (2013.01 - US); **B01D 2255/1023** (2013.01 - EP US); **B01D 2255/1025** (2013.01 - EP US); **B01D 2255/2061** (2013.01 - EP US); **B01D 2255/2063** (2013.01 - EP US); **B01D 2255/2065** (2013.01 - EP US); **B01D 2255/2066** (2013.01 - EP US); **B01D 2255/20715** (2013.01 - EP US); **B01D 2255/2092** (2013.01 - US); **B01D 2255/407** (2013.01 - EP US); **B01D 2255/9022** (2013.01 - US); **B01D 2255/908** (2013.01 - EP US); **B01D 2255/9155** (2013.01 - EP US); **B01D 2258/014** (2013.01 - EP US); **F01N 2330/06** (2013.01 - US); **F01N 2330/30** (2013.01 - US); **F01N 2370/02** (2013.01 - US); **F01N 2510/06** (2013.01 - US); **F01N 2510/0684** (2013.01 - US); **Y02T 10/12** (2013.01 - EP)

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)
EP 3501648 A1 20190626; **EP 3501648 B1 20231004**; CN 111491714 A 20200804; CN 111491714 B 20230210; CN 111491715 A 20200804; CN 111491715 B 20221227; CN 111511457 A 20200807; CN 111511469 A 20200807; CN 111511469 B 20230704; CN 115990408 A 20230421; EP 3727653 A1 20201028; EP 3727653 B1 20240214; EP 3727654 A1 20201028; EP 3727655 A1 20201028; EP 4365421 A2 20240508; EP 4365421 A3 20240522; US 11179676 B2 20211123; US 11185820 B2 20211130; US 11291952 B2 20220405; US 11628400 B2 20230418; US 2020306693 A1 20201001; US 2021069678 A1 20210311; US 2021079822 A1 20210318; US 2021086135 A1 20210325; US 2023285899 A1 20230914; WO 2019121372 A1 20190627; WO 2019121375 A1 20190627; WO 2019121994 A1 20190627; WO 2019121995 A1 20190627

DOCDB simple family (application)
EP 17208615 A 20171219; CN 201880081450 A 20181219; CN 201880081997 A 20181219; CN 201880082071 A 20181214; CN 201880082178 A 20181214; CN 202211568967 A 20181214; EP 18816073 A 20181214; EP 18826338 A 20181219; EP 18826640 A 20181219; EP 2018084898 W 20181214; EP 2018084902 W 20181214; EP 2018085961 W 20181219; EP 2018085962 W 20181219; EP 23212574 A 20181214; US 201816954305 A 20181214; US 201816954323 A 20181214; US 201816954628 A 20181219; US 201816954637 A 20181219; US 202318177490 A 20230302