

Title (en)
CATALYST HAVING SCR-ACTIVE COATING

Title (de)
KATALYSATOR MIT SCR-AKTIVER BESCHICHTUNG

Title (fr)
CATALYSEUR POURVU D'UN REVÊTEMENT À EFFET SCR

Publication
EP 3442686 A1 20190220 (DE)

Application
EP 17716275 A 20170413

Priority
• EP 16165078 A 20160413
• EP 2017058900 W 20170413

Abstract (en)
[origin: WO2017178575A1] The invention relates to a catalyst, which comprises a catalyst substrate of the length L and two SCR-catalytically active materials A and B, wherein the SCR-catalytically active material A contains a zeolite of the levyne structure type, which contains ion-exchanged iron and/or copper, and the SCR-catalytically active material B contains a zeolite of the chabazite structure type, which contains ion-exchanged iron and/or copper, wherein (i) the SCR-catalytically active materials A and B are in the form of two material zones A and B, wherein material zone A extends from the first end of the catalyst substrate at least over part of the length L and material zone B extends from the second end of the catalyst substrate at least over part of the length L, or wherein (ii) the catalyst substrate is formed by the SCR-catalytically active material A or B and a matrix component and the SCR-catalytically active material B or A extends at least over part of the length L of the catalyst substrate in the form of a material zone B or A.

IPC 8 full level
B01D 53/94 (2006.01)

CPC (source: CN EP KR US)
B01D 53/9418 (2013.01 - EP KR US); **B01D 53/945** (2013.01 - CN); **B01D 53/9477** (2013.01 - KR); **B01J 29/76** (2013.01 - EP KR US); **B01J 29/763** (2013.01 - CN EP KR US); **B01J 29/80** (2013.01 - EP KR US); **B01J 35/19** (2024.01 - EP KR US); **B01J 35/56** (2024.01 - EP KR US); **B01J 37/0205** (2013.01 - CN); **B01J 37/0244** (2013.01 - EP KR US); **B01J 37/0246** (2013.01 - EP KR US); **F01N 3/035** (2013.01 - CN); **B01D 53/9477** (2013.01 - EP US); **B01D 2251/2062** (2013.01 - CN EP KR US); **B01D 2251/2067** (2013.01 - CN); **B01D 2255/1021** (2013.01 - EP KR US); **B01D 2255/20738** (2013.01 - EP KR US); **B01D 2255/20761** (2013.01 - EP KR US); **B01D 2255/50** (2013.01 - EP KR US); **B01D 2255/9032** (2013.01 - EP KR US); **B01D 2255/9205** (2013.01 - EP KR US); **B01D 2258/012** (2013.01 - CN); **B01J 2229/186** (2013.01 - EP KR US); **B01J 2229/20** (2013.01 - CN); **F01N 2370/04** (2013.01 - CN); **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)
WO 2017178575 A1 20171019; CN 108712927 A 20181026; CN 108712927 B 20220104; CN 114160188 A 20220311; EP 3442686 A1 20190220; JP 2019518587 A 20190704; JP 2022058647 A 20220412; JP 7013378 B2 20220215; JP 7322206 B2 20230807; KR 20180127514 A 20181128; US 2019105650 A1 20190411

DOCDB simple family (application)
EP 2017058900 W 20170413; CN 201780010184 A 20170413; CN 202111514436 A 20170413; EP 17716275 A 20170413; JP 2018543128 A 20170413; JP 2022005655 A 20220118; KR 20187032743 A 20170413; US 201716086720 A 20170413