

Title (en)

OXIDATION CATALYST HAVING SADDLE-SHAPED SUPPORT BODY

Title (de)

OXIDATIONSKATALYSATOR MIT SATTELFOERMIGEM TRAEGERFORMKOERPER

Title (fr)

CATALYSEUR D'OXYDATION COMPRENANT UN CORPS MOULÉ SUPPORT EN FORME DE SELLE

Publication

**EP 3110547 A1 20170104 (DE)**

Application

**EP 15708769 A 20150225**

Priority

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- EP 2015053897 W 20150225

Abstract (en)

[origin: US2015246343A1] The invention relates to an oxidation catalyst comprising at least one inorganic, oxidic or ceramic, shaped support body having a BET surface area of less than 0.5 m<sup>2</sup>/g, based on the support, which is at least partly coated with a catalytically active multielement oxide, the catalyst being precious metal-free and the shaped support body having the form of a saddle whose saddle surface is curved oppositely in the two principal directions, to a process for producing it, to its use in various catalytic gas phase oxidations, and to corresponding processes for catalytic gas phase oxidation.

IPC 8 full level

**B01J 32/00** (2006.01); **B01J 23/00** (2006.01); **B01J 23/70** (2006.01); **B01J 23/887** (2006.01); **C07C 51/235** (2006.01); **C07C 51/31** (2006.01)

CPC (source: CN EP KR RU US)

**B01J 23/002** (2013.01 - CN EP KR US); **B01J 23/007** (2013.01 - EP KR US); **B01J 23/70** (2013.01 - US); **B01J 23/887** (2013.01 - RU); **B01J 23/8877** (2013.01 - US); **B01J 23/8878** (2013.01 - EP US); **B01J 23/8885** (2013.01 - CN EP KR US); **B01J 35/00** (2013.01 - CN); **B01J 35/19** (2024.01 - US); **B01J 35/30** (2024.01 - CN); **B01J 35/31** (2024.01 - EP US); **B01J 35/397** (2024.01 - CN); **B01J 35/612** (2024.01 - CN KR US); **B01J 37/0009** (2013.01 - EP KR US); **B01J 37/0215** (2013.01 - EP KR US); **B01J 37/04** (2013.01 - EP US); **B01J 37/08** (2013.01 - EP US); **C07C 5/48** (2013.01 - CN US); **C07C 51/235** (2013.01 - CN RU US); **C07C 51/252** (2013.01 - CN EP KR RU US); **C07C 51/313** (2013.01 - EP US); **C07C 57/04** (2013.01 - KR); **C07D 307/89** (2013.01 - CN EP KR US); **B01J 2219/30203** (2013.01 - EP US); **B01J 2219/30475** (2013.01 - EP US); **B01J 2523/00** (2013.01 - CN EP US); **C07C 2523/888** (2013.01 - US)

C-Set (source: CN EP US)

CN

1. **B01J 2523/00 + B01J 2523/17 + B01J 2523/55 + B01J 2523/68 + B01J 2523/69**
2. **C07C 5/48 + C07C 11/167**
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4. **C07C 51/252 + C07C 57/04**

EP US

1. **C07C 51/252 + C07C 57/04**
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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)

**US 2015246343 A1 20150903**; **US 9925526 B2 20180327**; BR 112016019757 B1 20210209; BR 112016019757 B8 20210330; CN 106457225 A 20170222; CN 106457225 B 20200428; DE 102014203725 A1 20150903; EP 3110547 A1 20170104; JP 2017509477 A 20170406; JP 6570537 B2 20190904; KR 102358652 B1 20220207; KR 20160127095 A 20161102; MY 184788 A 20210422; RU 2016138320 A 20180402; RU 2016138320 A3 20181010; RU 2692807 C2 20190627; SG 11201607054V A 20161028; TW 201601833 A 20160116; TW I701077 B 20200811; WO 2015128356 A1 20150903

DOCDB simple family (application)

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