

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

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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 m²/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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EP US

1. **C07C 51/252 + C07C 57/04**
2. **B01J 2523/00 + B01J 2523/17 + B01J 2523/55 + B01J 2523/68 + B01J 2523/69**

Designated contracting state (EPC)

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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

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