

Title (en)

BASIC CATALYST SUPPORT BODY HAVING A LOW SURFACE AREA

Title (de)

BASISCHE KATALYSATORTRÄGERKÖRPER MIT NIEDRIGER OBERFLÄCHE

Title (fr)

CORPS DE SUPPORT DE CATALYSEUR BASIQUES DOTÉS D'UNE FAIBLE SURFACE

Publication

EP 2701838 A1 20140305 (DE)

Application

EP 12723835 A 20120425

Priority

- DE 102011018532 A 20110426
- EP 2012057523 W 20120425

Abstract (en)

[origin: WO2012146600A1] The present invention relates to a catalyst support body containing an SiO₂-containing material and a metal selected from the group consisting of alkali metals, alkaline earth metals, rare earth metals and mixtures thereof, wherein the total metal content is in the range from 0.5 to 10% by weight, based on the total weight of the catalyst support. In addition, the present invention relates to a catalyst that comprises a catalyst support body according to the invention and a catalytically active metal, in particular palladium and/or gold. The present invention also relates to a method for producing a catalyst support according to the invention, wherein an SiO₂-containing material is treated with a metal-containing compound, dried and then calcined. A further embodiment of the present invention relates to a method for producing a catalyst according to the invention, in which a solution having a precursor compound of a catalytically active metal is applied to the a catalyst support body according to the invention.

IPC 8 full level

B01J 21/08 (2006.01); **B01J 21/06** (2006.01); **B01J 23/10** (2006.01); **B01J 23/58** (2006.01); **B01J 35/00** (2006.01); **B01J 35/08** (2006.01); **B01J 35/10** (2006.01); **B01J 37/02** (2006.01)

CPC (source: EP KR US)

B01J 21/06 (2013.01 - KR); **B01J 21/066** (2013.01 - EP US); **B01J 21/08** (2013.01 - EP KR US); **B01J 23/10** (2013.01 - KR); **B01J 23/44** (2013.01 - EP US); **B01J 23/52** (2013.01 - EP US); **B01J 23/66** (2013.01 - US); **B01J 35/30** (2024.01 - EP US); **B01J 35/31** (2024.01 - EP US); **B01J 35/50** (2024.01 - EP US); **B01J 35/51** (2024.01 - EP KR US); **B01J 35/613** (2024.01 - EP US); **B01J 35/615** (2024.01 - EP US); **B01J 35/633** (2024.01 - EP US); **B01J 35/635** (2024.01 - EP US); **B01J 35/647** (2024.01 - EP US); **B01J 37/02** (2013.01 - KR); **B01J 37/0205** (2013.01 - EP US); **B01J 37/0207** (2013.01 - EP US); **C07C 67/055** (2013.01 - EP US)

C-Set (source: EP US)

C07C 67/055 + C07C 69/15

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

DOCDB simple family (publication)

DE 102011018532 A1 20121031; EP 2701838 A1 20140305; KR 20140013052 A 20140204; US 2014113806 A1 20140424; WO 2012146600 A1 20121101

DOCDB simple family (application)

DE 102011018532 A 20110426; EP 12723835 A 20120425; EP 2012057523 W 20120425; KR 20137030991 A 20120425; US 201214113684 A 20120425