

Title (en)

CATALYST FOR PREPARING CARBOXYLIC ACIDS AND/OR CARBOXYLIC ANHYDRIDES

Title (de)

KATALYSATOR ZUR HERSTELLUNG VON CARBONSÄUREN UND/ODER CARBONSÄUREANHYDRIDEN

Title (fr)

CATALYSEUR SERVANT À LA PRODUCTION D'ACIDES CARBOXYLIQUES ET/OU D'ANHYDRIDES D'ACIDE CARBOXYLIQUE

Publication

EP 2872251 A2 20150520 (DE)

Application

EP 13820174 A 20130712

Priority

- EP 12176526 A 20120716
- IB 2013055729 W 20130712
- EP 13820174 A 20130712

Abstract (en)

[origin: WO2014013397A2] The present invention relates to a catalyst for preparing carboxylic acids and/or carboxylic anhydrides, which has a plurality of catalyst zones arranged in series and has been produced using a vanadium antimonate having a maximum content of crystalline valentinite of 5% by weight. The present invention further relates to a process for gas-phase oxidation in which a gas stream comprising at least one hydrocarbon and molecular oxygen is passed through a catalyst which has a plurality of catalyst zones arranged in series and has been produced using a vanadium antimonate having a maximum content of crystalline valentinite of 5% by weight.

IPC 8 full level

B01J 23/16 (2006.01); **B01J 35/00** (2024.01); **C07C 51/265** (2006.01)

CPC (source: EP)

B01J 23/22 (2013.01); **B01J 35/391** (2024.01); **B01J 35/393** (2024.01); **B01J 35/613** (2024.01); **B01J 37/0215** (2013.01); **B01J 37/0225** (2013.01); **B01J 37/0244** (2013.01); **B01J 37/04** (2013.01); **C07D 307/89** (2013.01)

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 2014013397 A2 20140123; **WO 2014013397 A3 20140306**; CN 104487164 A 20150401; EP 2872251 A2 20150520; EP 2872251 A4 20160302; JP 2015530228 A 20151015

DOCDB simple family (application)

IB 2013055729 W 20130712; CN 201380037094 A 20130712; EP 13820174 A 20130712; JP 2015522211 A 20130712