

Title (en)

CATALYST AND METHOD FOR HYDROGENATING CARBONYL COMPOUNDS

Title (de)

KATALYSATOR UND VERFAHREN ZUR HYDRIERUNG VON CARBONYLVERBINDUNGEN

Title (fr)

CATALYSEUR ET PROCEDE D'HYDROGENATION DE COMPOSES CARBONYLE

Publication

EP 1904228 A1 20080402 (DE)

Application

EP 06777609 A 20060706

Priority

- EP 2006063958 W 20060706
- DE 102005032726 A 20050713

Abstract (en)

[origin: CA2614520A1] The invention relates to a method for hydrogenating an organic compound, which has at least one carbonyl group, during which the organic compound is, in the presence of hydrogen, brought into contact with a shaped body that can be produced according to a method in which: (i) an oxidic material comprising copper oxide and aluminum oxide and at least one of the oxides of iron, lanthanum, tungsten, molybdenum, titanium, zirconium, tin or manganese, as well as, optionally, tin oxide and/or manganese oxide; (ii) powdered metallic copper, copper flakes, powdered cement, graphite or a mixture thereof is added to the oxidic material; (iii) the mixture resulting from (ii) is shaped into a shaped body, and; (iv) the shaped body is treated with water or steam.

IPC 8 full level

B01J 23/72 (2006.01); **B01J 21/04** (2006.01); **B01J 37/03** (2006.01); **B01J 37/10** (2006.01); **C07C 29/141** (2006.01); **C07C 29/149** (2006.01)

CPC (source: EP KR)

B01J 21/04 (2013.01 - KR); **B01J 23/83** (2013.01 - EP); **B01J 23/8892** (2013.01 - EP); **B01J 37/0009** (2013.01 - EP); **B01J 37/03** (2013.01 - EP KR); **B01J 37/10** (2013.01 - EP KR); **C07B 41/02** (2013.01 - EP); **C07C 29/141** (2013.01 - KR); **C07C 29/149** (2013.01 - EP); **B01J 23/745** (2013.01 - EP); **B01J 23/835** (2013.01 - EP); **B01J 23/85** (2013.01 - EP); **B01J 35/40** (2024.01 - EP)

Citation (search report)

See references of WO 2007006719A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005032726 A1 20070118; CA 2614520 A1 20070118; CN 101309749 A 20081119; EP 1904228 A1 20080402; JP 2009502746 A 20090129; KR 20080039411 A 20080507; SG 162740 A1 20100729; WO 2007006719 A1 20070118

DOCDB simple family (application)

DE 102005032726 A 20050713; CA 2614520 A 20060706; CN 200680025351 A 20060706; EP 06777609 A 20060706; EP 2006063958 W 20060706; JP 2008520848 A 20060706; KR 20087003418 A 20080212; SG 2010038180 A 20060706