

Title (en)

CATALYTICALLY ACTIVE COMPOSITION AND THE USE THEREOF IN DEHYDRATION METHODS

Title (de)

KATALYTISCH AKTIVE ZUSAMMENSETZUNG UND IHRE VERWENDUNG IN DEHYDRIERVERFAHREN

Title (fr)

COMPOSITION A ACTIVITE CATALYTIQUE ET SON UTILISATION DANS DES PROCEDES DE DESHYDROGENATION

Publication

EP 1711452 A2 20061018 (DE)

Application

EP 05701242 A 20050128

Priority

- EP 2005000867 W 20050128
- DE 102004004801 A 20040130
- DE 102004043495 A 20040908

Abstract (en)

[origin: WO2005073157A2] The invention relates to a catalytically active composition containing Pd and Bi as active constituents, and at least one element selected from the group (a) consisting of Rh, Au, Sb, V, Cr, W, Mn, Fe, Co, Ni, Na, Cs and Ba; or Pd, Rh and Bi, and optionally an element selected from the group (a') consisting of Au, Sb, V, Cr, W, Mn, Fe, Co, Ni, Pt, Cu, Ag, Na, Cs, Mg, Ca and Ba. The invention also relates to a method for dehydrating hydrocarbons, preferably oxofunctionalised hydrocarbons such as cyclopentanone, cyclohexanone and isovaleraldehyde, by means of the catalytically active composition.

IPC 8 full level

C07C 45/65 (2006.01); **B01J 19/00** (2006.01); **B01J 23/44** (2006.01); **B01J 23/644** (2006.01); **B01J 23/652** (2006.01); **B01J 23/68** (2006.01); **B01J 23/89** (2006.01); **B01J 37/02** (2006.01); **B01J 37/03** (2006.01); **C07C 45/32** (2006.01)

CPC (source: EP US)

B01J 23/6447 (2013.01 - EP US); **B01J 23/6522** (2013.01 - EP US); **B01J 23/681** (2013.01 - EP US); **B01J 23/8973** (2013.01 - EP US); **B01J 37/0221** (2013.01 - EP US); **B01J 37/03** (2013.01 - EP US); **C07C 45/65** (2013.01 - EP US); **B01J 23/6445** (2013.01 - EP US); **B01J 35/397** (2024.01 - EP US); **B01J 37/0201** (2013.01 - EP US)

C-Set (source: EP US)

1. **C07C 45/65 + C07C 47/21**
2. **C07C 45/65 + C07C 49/603**

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

WO 2005073157 A2 20050811; **WO 2005073157 A3 20060427**; EP 1711452 A2 20061018; JP 2007519517 A 20070719; TW 200530171 A 20050916; US 2007167318 A1 20070719; US 7495132 B2 20090224

DOCDB simple family (application)

EP 2005000867 W 20050128; EP 05701242 A 20050128; JP 2006550119 A 20050128; TW 94102714 A 20050128; US 58719105 A 20050128