

Title (en)

PROCESS FOR PREPARING COLLOIDAL NANOCATALYSTS

Title (de)

VERFAHREN ZUR HERSTELLUNG KOLLOIDALER NANOKATALYSATOREN

Title (fr)

PROCEDE DE FABRICATION D'UN NANOCATALYSEUR COLLOIDAL

Publication

EP 1998890 A1 20081210 (DE)

Application

EP 07723437 A 20070320

Priority

- EP 2007002475 W 20070320
- DE 102006013794 A 20060324

Abstract (en)

[origin: DE102006013794A1] Preparation of colloidal nano-catalyst containing nano-particles of a catalytically active metal, whose surface is occupied with an activator compound, comprises thermally treating a ligand stabilized complex of an ion of the catalytically active metal in an inert non-aqueous solvent at 220[deg]C for 1-10 minutes, and adding a precursor compound of the activator compound to the obtained mixture. An independent claim is included for the colloidal nano-catalyst, obtained by the above method.

IPC 8 full level

B01J 23/80 (2006.01); **B01J 35/00** (2006.01); **C07C 29/154** (2006.01); **C07C 31/04** (2006.01)

CPC (source: EP)

B01J 23/80 (2013.01); **B01J 35/23** (2024.01); **C07C 29/154** (2013.01); **Y02P 20/52** (2015.11)

Citation (search report)

See references of WO 2007110176A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006013794 A1 20070927; EP 1998890 A1 20081210; WO 2007110176 A1 20071004

DOCDB simple family (application)

DE 102006013794 A 20060324; EP 07723437 A 20070320; EP 2007002475 W 20070320