

Title (en)

PREPARATION OF NANOCRYSTALLINE AND DISPERSIBLE SUPPORTED METAL CATALYSTS

Title (de)

HERSTELLUNG VON NANOKRISTALLINEN UND DISPERGIERBAREN GETRÄGERTEN METALLKATALYSATOREN

Title (fr)

PREPARATION DE CATALYSEURS METALLIQUES NANOCRISTALLINS ET DISPERSIBLES SUR SUPPORT

Publication

EP 1126914 A1 20010829 (EN)

Application

EP 99954150 A 19991104

Priority

- GB 9903657 W 19991104
- GB 9824152 A 19981105

Abstract (en)

[origin: WO0027527A1] There is provided a process for the production of a product comprising nanocrystalline particles, which particles comprise at least one metal, or at least one metal oxide, substantially dispersed on the surface of at least one metal oxide, or mixed metal oxide, which process includes the steps of (a) heating a mixture including at least one wet hydrous metal oxide, or wet hydrous mixed metal oxide, and at least one reducible metal salt to form a wet gel; (b) heating the wet gel to the decomposition temperature of the reducible metal salt; and (c) reducing the resultant composition.

IPC 1-7

B01J 37/00; **B01D 53/94**; **C01F 17/00**; **C01G 25/00**; **B01J 35/00**

IPC 8 full level

B01D 53/88 (2006.01); **B01J 23/40** (2006.01); **B01J 23/63** (2006.01); **B01J 23/83** (2006.01); **B01J 35/00** (2006.01); **B01J 37/00** (2006.01); **B01J 37/08** (2006.01); **C01B 13/18** (2006.01); **C01F 17/235** (2020.01); **C01G 25/02** (2006.01)

CPC (source: EP US)

B01D 53/885 (2013.01 - EP); **B01J 23/40** (2013.01 - EP); **B01J 23/63** (2013.01 - EP); **B01J 23/83** (2013.01 - EP); **B01J 35/45** (2024.01 - EP); **B01J 37/00** (2013.01 - EP); **B01J 37/088** (2013.01 - EP); **B82Y 30/00** (2013.01 - EP US); **C01B 13/185** (2013.01 - EP); **C01F 17/235** (2020.01 - EP US); **C01G 25/02** (2013.01 - EP); **C01P 2002/50** (2013.01 - EP); **C01P 2002/54** (2013.01 - EP); **C01P 2002/60** (2013.01 - EP); **C01P 2002/72** (2013.01 - EP); **C01P 2004/64** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0027527 A1 20000518; EP 1126914 A1 20010829; GB 9824152 D0 19981230

DOCDB simple family (application)

GB 9903657 W 19991104; EP 99954150 A 19991104; GB 9824152 A 19981105