

Title (en)

PLANT AND METHOD FOR NANOPARTICLE GENERATION

Title (de)

ANLAGE UND VERFAHREN ZUR ERZEUGUNG VON NANOPARTIKELN

Title (fr)

ATELIER ET PROCÉDÉ DE PRODUCTION DE NANOPARTICULES

Publication

EP 2802535 A1 20141119 (EN)

Application

EP 11810694 A 20111027

Priority

IT 2011000361 W 20111027

Abstract (en)

[origin: WO2013061343A1] Method for the production of nanoparticles of metallic oxides comprising the steps of stirring the chemical reactants needed in liquid or solid phase; increasing pressure and temperature of the solution; adding a chemical reactant which favours the formation of nanoparticles; centrifugation of the solid-liquid bi-phase solution containing the nanoparticles of dispersed metallic oxide; washing, drying and storage of the nanoparticles. Plant for the production of nanoparticles according to the described method.

IPC 8 full level

C01G 1/02 (2006.01); **C01G 3/02** (2006.01); **C01G 49/02** (2006.01)

CPC (source: EP)

B82Y 30/00 (2013.01); **C01G 1/02** (2013.01); **C01G 3/02** (2013.01); **C01G 49/02** (2013.01); **B01J 23/10** (2013.01); **B01J 23/72** (2013.01); **B01J 23/745** (2013.01); **B01J 35/23** (2024.01); **B82Y 40/00** (2013.01); **C01P 2002/72** (2013.01); **C01P 2004/62** (2013.01); **C01P 2004/64** (2013.01)

Citation (search report)

See references of WO 2013061343A1

Citation (examination)

- WO 2010118423 A2 20101014 - EESTOR INC [US]
- FR 2871791 A1 20051223 - CENTRE NAT RECH SCIENT [FR], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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