

Title (en)

PROCESS FOR PRODUCING STABILISED METAL NANOPARTICLES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON STABILISIERTEN METALLNANOTEILCHEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE NANOPARTICULES MÉTALLIQUES STABILISÉES

Publication

EP 2021520 A1 20090211 (EN)

Application

EP 07733702 A 20070522

Priority

- GB 2007050281 W 20070522
- GB 0610409 A 20060526

Abstract (en)

[origin: WO2007138345A1] A process for making high metal content stabilised metal nanoparticles, comprises decomposing at least one metal acetylide in the presence of a first solvent under reducing conditions to yield a metal colloid solution and then recovering metal nanoparticles as a precipitate by either evaporating the first solvent or adding a second solvent to the first solvent. The metal colloid solution obtainable as an intermediate by such a process and the high metal content stabilised metal nanoparticles obtainable as the final product of such a process are also disclosed.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2007138345A1

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