

Title (en)
METHOD OF MANUFACTURING SILICA-COATED METAL NANOPARTICLES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON SILICABESCHICHTETEN METALLNANOPARTIKELN

Title (fr)
PROCEDE DE FABRICATION DE NANOPARTICULES METALLIQUES ENROBEES DE SILICE

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Application
EP 08857063 A 20081118

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Abstract (en)
[origin: WO2009071794A1] The invention relates to a method of producing metal nanoparticles coated with silica by means of at least one tetraalkoxysilane, referred to as metal nanoparticles, comprising a quantity of at least one metal of zero oxidation state, a quantity of a catalytic hydrolysis composition, a quantity of liquid solvent medium and a quantity of water, so as to obtain a hydrolysis of the condensation enabling the metal nanoparticles to be coated with silica, characterized in that the liquid solvent medium consists of at least one solvent chosen from the group formed by non-alcoholic organic solvents.

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