

Title (en)
METHOD FOR PRODUCING A METAL NANOPARTICLE DISPERSION, METAL NANOPARTICLE DISPERSION, AND USE OF SAID METAL NANOPARTICLE DISPERSION

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER METALLNANOPARTIKELDISPERSION, METALLNANOPARTIKELDISPERSION SOWIE DEREN VERWENDUNG

Title (fr)
PROCÉDÉ DE PRÉPARATION D'UNE DISPERSION DE NANOPARTICULES MÉTALLIQUES, DISPERSION DE NANOPARTICULES MÉTALLIQUES ET UTILISATION DE LADITE DISPERSION

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Abstract (en)
[origin: CA2854227A1] The invention relates to a method for producing a metal nanoparticle dispersion, in particular a silver nanoparticle dispersion, wherein after the production of nanoscale metal particles, stabilized by means of at least one auxiliary dispersing agent containing at least one free carboxylic acid group or salt thereof as a functional group, in at least one liquid dispersant (solvent), flocculation of the metal nanoparticles is deliberately caused, the formed metal nanoparticle flocculation is dispersed again in at least one liquid dispersant, optionally by adding a base, and the metal nanoparticle dispersion is set to a desired metal nanoparticle concentration. The invention further relates to a metal nanoparticle dispersion, in particular a silver nanoparticle dispersion, in particular produced by means of the method according to the invention, and to the use of said metal nanoparticle dispersion.

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