

Title (en)

METHOD AND DEVICE FOR PRODUCING NANOPARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON NANOPARTIKELN

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES NANOPARTICULES

Publication

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Application

EP 05759569 A 20050708

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Abstract (en)

[origin: WO2006005536A1] The invention relates to a method for producing nanoparticles, in particular, pigment particles. Said method consists of the following steps: i) a raw substance (1) is passed into the gas phase, ii) particles are produced by cooling or reacting the gaseous raw substance (1) and iii) an electric charge is applied to the particles during the production of the particles in step ii), in a device for producing nanoparticles. The invention further relates to a device for producing nanoparticles, comprising a supply line (28) which is used to transport the gas flow (29) into the device, a particle producing and charging area in order to produce and charge nanoparticles at essentially the same time, and an evacuation line (30) which is used to transport the charged nanoparticles from the particle producing and charging area.

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Citation (search report)

See references of WO 2006005536A1

Citation (examination)

- EP 0124901 A2 19841114 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- US 6254940 B1 20010703 - PRATSINIS SOTIRIS E [US], et al

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