

Title (en)
FINELY DIVIDED PARTICLES OF CORE-SHELL STRUCTURE

Title (de)
FEINTEILIGE PARTIKEL MIT KERN-SCHALE-STRUKTUR

Title (fr)
MICROPARTICULES À STRUCTURE C UR/ENVELOPPE

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Application
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Abstract (en)
[origin: WO2014033187A1] The invention provides a process for producing finely divided particles of core-shell structure where the shell comprises at least one polymer, said process comprising the steps of: i. providing a first aerosol stream of droplets in a carrier gas stream wherein the droplets comprise at least one monomer and charging droplets of the first aerosol with electric charge; ii. providing a second aerosol stream of solid particles in a carrier gas stream and charging the solid particles of the aerosol with an electric charge opposite to the electric charge on the droplets of the first aerosol stream; iii. mixing the first aerosol stream with the second aerosol stream to form a mixed aerosol stream; iv. initiating a polymerization of the monomers by irradiating this mixed aerosol stream with electromagnetic radiation. The invention also provides the finely divided particles of core-shell structure which are obtainable by this process.

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