

Title (en)
PARTICULATE MATERIALS

Title (de)
TEILCHENFÖRMIGE MATERIALIEN

Title (fr)
MATERIAUX PARTICULAIRES

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Application
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- GB 0211086 A 20020515
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Abstract (en)
[origin: GB2387781A] An active substance in particulate form, methods for preparing them and their uses. Such particulate matter is of use for delivery using a dry powder inhaler (DPI) or similar device and has the following physical properties - (a) a volume mean aerodynamic diameter of less than 7 microns, (b) a density of less than 0.5g/ml and (c) a surface-to-volume ratio of at least twice that of spherical particles of the same volume diameter. The particulate matter is prepared using the solution enhanced dispersion by supercritical fluid technique (SEDS<TM>). The matter produced when delivered using a passive dry powder inhaler yields a fine particle fraction in the emitted dose which is at least 20% greater than that of the same active substance produced by micronisation, granulation or solvent crystallisation and having the same or smaller mean diameter. The active substances of particular interest include salbutamol, terbutaline, salmeterol, fenoterol and bromocriptine.

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