21 June 2002

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
C09D 127/00

A2

(11) International Publication Number: WO 99/32565

(43) International Publication Date: 1 July 1999 (01.07.99)

(21) International Application Number: PCT/IB98/02149

(22) International Filing Date: 18 December 1998 (18.12.98)

(30) Priority Data:

9/851871	22 December 1997 (22.12.97)	JP
10/250095	3 September 1998 (03.09.98)	JP
10/271977	25 September 1998 (25.09.98)	JP

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(81) Designated States: AU, BR, CN, KR, RU, SG, TR, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: FLUORORESIN POWDER LIQUID DISPERSION CAPABLE OF FORMING THICK COATINGS

(57) Abstract

A fluororesin powder liquid dispersion comprising heat-flowable fluororesin powder, liquid dispersion medium having a surface tension of not more than 45 dyne/cm, and colloidal particles having an average particle size of not more than 1 μm provides thick corrosion resistant coated films. Preferred colloidal particles for the dispersion are particles of polyether sulfone (PES) which are added in an aqueous dispersion containing an organic solvent and a water-miscible solvent. An aqueous dispersion of PES colloidal particles having an average particle size of not more than 1 μm is preferably prepared by (1) dissolving PES in an organic solvent capable of solubilizing PES; (2) combining the dissolved PES with a water-miscible solvent which is capable of being dissolved in the organic solvent; and (3) combining water in which there is a dissolved surfactant with the dissolved PES.

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