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PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

20000 1400-1
1803

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 9/00, 9/51

A1

(11) International Publication Number: WO 99/16419

(43) International Publication Date: 8 April 1999 (08.04.99)

(21) International Application Number: PCT/US98/20602

(22) International Filing Date: 29 September 1998 (29.09.98)

(30) Priority Data:

60/060,337	29 September 1997 (29.09.97)	US
09/106,932	29 June 1998 (29.06.98)	US
09/133,848	14 August 1998 (14.08.98)	US

(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application

US 60/060,337 (CIP)
Filed on 29 September 1997 (29.09.97)

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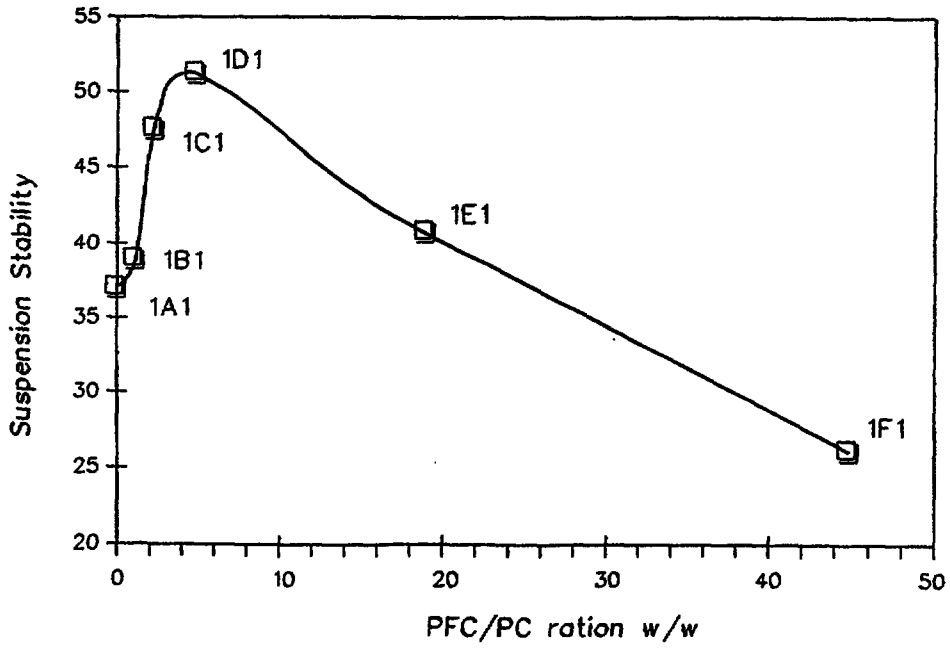
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: PERFORATED MICROPARTICLES AND METHODS OF USE



(57) Abstract

Engineered particles are provided for the delivery of a bioactive agent to the respiratory tract of a patient. The particles may be used in the form of dry powders or in the form of stabilized dispersions comprising a nonaqueous continuous phase. In particularly preferred embodiments the particles may be used in conjunction with an inhalation device such as a dry powder inhaler, metered dose inhaler or a nebulizer.

*(Referred to in PCT Gazette No. 33/1999, Section II)