(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053655 A1

(51) International Patent Classification[7]: A61K 9/16, 31/7052

(21) International Application Number: PCT/IB2004/003903

(22) International Filing Date: 24 November 2004 (24.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/527,316 4 December 2003 (04.12.2003) US

(71) Applicant *(for all designated States except US)*: **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **APPEL, Leah, Elizabeth** [US/US]; Pfizer Global Research and Development, European Pharma Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **CREW, Marshall, David** [US/US]; Pfizer Global Research and Development, European Pharma Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **FRIESEN, Dwayne, Thomas** [US/US]; Pfizer Global Research and Development, European Pharma Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB). **RAY, Roderick, Jack** [US/US]; Pfizer Global Research and Development, European Pharma Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB).

(74) Agents: **WOOD, David, J.** et al.; Pfizer Research and Development, Ramsgate Road, Sandwich, Kent CT13 9NJ (GB).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/053655 A1

(54) Title: METHOD FOR MAKING PHARMACEUTICAL MULTIPARTICULATES

(57) Abstract: A process for forming drug multiparticulates having improved drug crystallinity is disclosed, comprising modifying a conventional melt-congeal process by adding a volatile cospecies either to the molten mixture or to the process atmosphere, or to both.