

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 September 2011 (22.09.2011)

PCT

(10) International Publication Number
WO 2011/115969 A3

(51) International Patent Classification:
A61K 9/00 (2006.01)

(21) International Application Number:
PCT/US2011/028483

(22) International Filing Date:
15 March 2011 (15.03.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/724,601 16 March 2010 (16.03.2010) US

(71) Applicant (for all designated States except US):
CATALENT PHARMA SOLUTIONS, LLC [US/US];
14 Schoolhouse Road, Somerset, NJ 07083 (US).

(72) Inventor; and

(71) Applicant (for all designated States except US): **TIAN, Wei** [GB/GB]; 6, Sawyers Close, Minety, Wiltshire SN16 9QS (GB).

(74) Agent: **HOLOWACZ, Elizabeth, F.**; Fitzpatrick, Cella, Harper & Scinto, 1290 Avenue of The Americas, New York, NY 10104 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
26 April 2012

(54) Title: PROCESS OF MANUFACTURING A LYOPHILIZED FAST DISSOLVING, MUTI-PHASIC DOSAGE FORM

(57) Abstract: A multi-phasic, lyophilized, fast-dissolving dosage form (FDDF) for the delivery of a pharmaceutically active ingredient is prepared by sequential dosing of a formulation containing a non-gelling matrix forming agent and a formulation containing a gelling gelatin.



WO 2011/115969 A3