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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 September 2014 (04.09.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/132163 A1

(51) International Patent Classification:
A61K 8/55 (2006.01) *A61K 31/4748* (2006.01)
A61K 31/075 (2006.01) *A61K 9/48* (2006.01)
A61K 31/137 (2006.01) *A61K 47/10* (2006.01)

(21) International Application Number:
PCT/IB2014/058978

(22) International Filing Date:
13 February 2014 (13.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/770,988 28 February 2013 (28.02.2013) US

(71) Applicant: **PFIZER INC.** [US/US]; 235 East 42nd Street, New York, New York 10017 (US).

(72) Inventors: **AGISIM, Gary Robert**; 2109 Turtle Creek Drive, Unit #5, Richmond, Virginia 23233 (US). **FRIEDLINE, Robert Alan**; 717 North 33rd Street, Richmond, Virginia 23223 (US). **PATEL, Shivangi Vijaykumar**; 7133 Sydnor Lane, Mechanicsville, Virginia 23221 (US). **SERTZEN, César Iván**; 1313 Dubois Avenue, Richmond, Virginia 23220 (US). **SHEPPERSON, Vanessa Rose**; 2716 West Grace Street, #5, Richmond, Virginia 23220 (US).

(74) Agent: **KLEIMAN, Gabriel L.**; Pfizer Inc., 235 East 42nd Street, New York, NY 10017 (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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to the identity of the inventor (Rule 4.17(i))*

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report (Art. 21(3))*

WO 2014/132163 A1

(54) Title: ENHANCED STABILITY OF NOVEL LIQUID COMPOSITIONS

(57) Abstract: The present invention relates to compositions of pharmaceutical agents in combination with additional pharmaceutical agents in a mixture of polyethylene glycol, polyvinylpyrrolidone, and propylene glycol and a process of making the compositions.