



(51) International Patent Classification:  
*A61K 35/00* (2006.01)

(21) International Application Number:  
PCT/US2014/016071

(22) International Filing Date:  
12 February 2014 (12.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
61/764,385 13 February 2013 (13.02.2013) US  
61/764,401 13 February 2013 (13.02.2013) US

(72) Inventors; and

(71) Applicants : **FATHI, Reza** [US/US]; 88 North Franklin Turnpike, HoHoKus, NJ 07423 (US). **RADAY, Gilead** [US/US]; 4025 Middlefield Rd., Palo Alto, CA 94303 (US). **GOLDBERG, Guy** [US/IL]; Dizengof 6, Apartment 2, Tel Aviv (IL). **GOSSELIN, Patrick** [CA/CA]; 200 Armand-Frappier, Laval, Quebec H7V 4A6 (CA).

(74) Agent: **SCHINDLER, Barry, J.**; Greenberg Traurig, LLP, 200 Park Avenue, P.O. Box 677, Florham Park, NJ 07932 (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).

Published:

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

(54) Title: PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT OF HELICOBACTER PYLORI

(57) Abstract: Single oral solid dosage form comprising an immediate release first dosage composition having at least two antibiotic agents and a delayed release second dosage composition having a proton pump inhibitor are provided herein. The single oral solid dosage form according to some aspects of the invention can be used for the treatment of disorders associated with infection by *H. pylori* or the prevention of recurrence of disorders associated with infection by *H. pylori*.

