



(51) International Patent Classification:

C07D 401/14 (2006.01) A61K 31/402 (2006.01)

C07D 401/12 (2006.01) A61K 31/4025 (2006.01)

C07D 487/04 (2006.01) A61P 3/10 (2006.01)

(21) International Application Number:

PCT/US2013/070213

(22) International Filing Date:

15 November 2013 (15.11.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/727,253 16 November 2012 (16.11.2012) US

(71) Applicant: BRISTOL-MYERS SQUIBB COMPANY

[US/US]; Route 206 and Province Line Road, Princeton, NJ 08543-4000 (US).

(72) Inventors: ELLSWORTH, Bruce, A.; c/o Bristol-Myers

Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US). JURICA, Elizabeth, A.; c/o

Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US). SHI, Jun; c/o

Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US). EWING, William,

R.; c/o Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US). YE, Xi-

ang-Yang; c/o Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US).

WU, Ximao; c/o Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US).

ZHU, Yeheng; c/o Bristol-Myers Squibb Company, 311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US).

SUN, Chongqing; c/o Bristol-Myers Squibb Company,

311 Pennington-Rocky Hill Road, Pennington, NJ 08534 (US).

(74) Agents: SUN, Jing, G. et al.; Bristol-Myers Squibb Company, Route 206 and Province Line Road, Princeton, NJ 08543 (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).

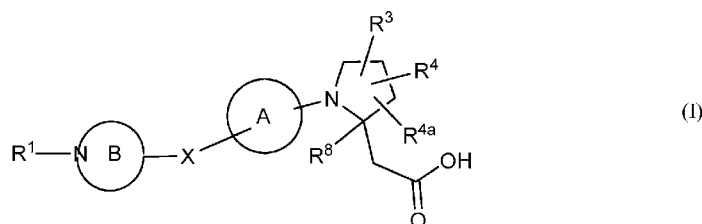
Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: PYRROLIDINE GPR40 MODULATORS



(57) Abstract: The present invention provides compounds of Formula (I): or a stereoisomer, or a pharmaceutically acceptable salt thereof, wherein all of the variables are as defined herein. These compounds are GPR40 G protein-coupled receptor modulators which may be used as medicaments.

