



(51) International Patent Classification:

C07D 211/44 (2006.01) *A61K 31/44* (2006.01)
C07D 211/58 (2006.01) *A61K 31/4436* (2006.01)
C07D 409/12 (2006.01) *A61P 3/00* (2006.01)
A61K 31/435 (2006.01)

(21) International Application Number:

PCT/EP2010/060854

(22) International Filing Date:

27 July 2010 (27.07.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09166846.7 30 July 2009 (30.07.2009) EP

(71) Applicant (for all designated States except US): **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ACKERMANN, Jean** [CH/CH]; Im Gloegglihof 16, CH-4125 Riehen (CH). **CONTE, Aurelia** [GB/CH]; Martinsgasse 8, CH-4051 Basel (CH). **HUNZIKER, Daniel** [CH/CH]; Buerklistrasse 14, CH-4313 Moehlin (CH). **NEIDHART, Werner** [DE/FR]; 9, rue du Steinler, F-68220 Hagenthal-Bas (FR). **NETTEKOVEN, Matthias** [DE/DE]; Rueteweg 3, 79639 Grenzach-Wyhlen (DE).

WERTHEIMER, Stanley [US/US]; 10 Lark Lane, Croton, New York 10520 (US).

(74) Agent: **WASCHBUESCH, Klaus**; Grenzacherstrasse 124, CH-4070 Basel (CH).

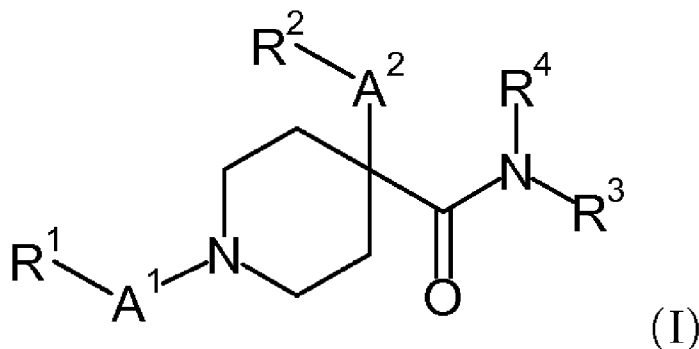
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, 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))

(54) Title: PIPERIDINE DERIVATIVES AND THEIR USE TO TREAT OBESITY, DIABETES, DYSLIPIDEMIA AND ATHEROSCLEROSIS



(57) Abstract: Compounds of formula (I) as well as pharmaceutically acceptable salts thereof can be used in the form of pharmaceutical compositions, wherein A¹, A², R¹, R², R³ and R⁴ have the significance given in claim 1.