

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2007 (15.03.2007)

PCT

(10) International Publication Number
WO 2007/029106 A1

(51) International Patent Classification:

C07D 217/20 (2006.01) A61P 35/00 (2006.01)
C07D 217/14 (2006.01) A61K 31/472 (2006.01)
C07D 217/16 (2006.01) A61K 31/4738 (2006.01)
C07D 491/04 (2006.01)

(21) International Application Number:

PCT/IB2006/002473

(22) International Filing Date:

8 September 2006 (08.09.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/IB2005/002701

9 September 2005 (09.09.2005) IB

(71) Applicant (for all designated States except US): ANA-
LYTECON SA [CH/CH]; Rue du Pré Jorat 30, CH-2108
Couvét (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GUNZINGER, Jan
[CH/CH]; Rue du Burclé 8, CH-2108 Couvet (CH). LE-
ANDER, Kurt [SE/CH]; Chemin des Pavés 8, CH-2034
Peseux (CH).

(74) Agent: JELSCH, Emmanuel, Edwin; c/o Katzarov S.A.,
Rue des Epinettes, 19, CH-1227 Geneva (CH).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT,
LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ,
NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

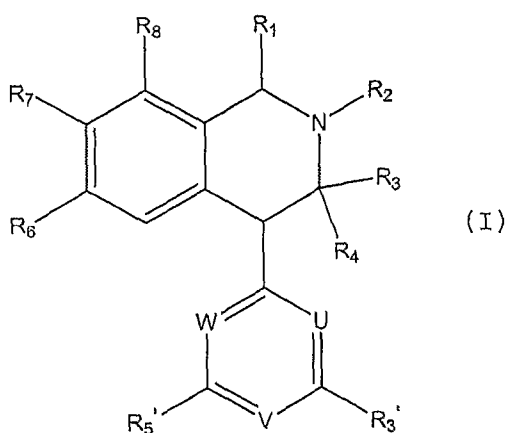
— of inventorship (Rule 4.17(iv))

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ISOQUINOLINES AS IGF-1R INHIBITORS



(57) Abstract: Compounds of the formula (I) were synthesized. They
were found to down- regulate or inhibit the expression or function of the
IGF-I receptor.