



(51) International Patent Classification:

C07D 487/04 (2006.01) **A61P 17/00** (2006.01)
A61K 31/519 (2006.01) **A61P 19/02** (2006.01)
A61P 11/00 (2006.01) **A61P 35/00** (2006.01)
A61P 11/06 (2006.01)

[GB/GB]; c/o Evotec (UK) Limited, 114 Milton Park, Abingdon, Oxfordshire OX14 4SA (GB). **BROWN, Christopher John** [GB/GB]; c/o Evotec (UK) Limited, 114 Milton Park, Abingdon, Oxfordshire OX14 4SA (GB).

(21) International Application Number:

PCT/GB2011/052015

(74) **Agents:** **TEUTEN, Andrew** et al.; Sagittarius IP, Taylor House, 39 High Street, Marlow, Buckinghamshire SL7 1AF (GB).

(22) International Filing Date:

18 October 2011 (18.10.2011)

(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, QA, RO, RS, RU, RW, 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.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

099135360 18 October 2010 (18.10.2010) TW
 PCT/EP2010/065746
 19 October 2010 (19.10.2010) EP

(71) **Applicant** (*for all designated States except US*): **RESPIVERT LIMITED** [GB/GB]; 50-100 Holmers Farm Way, High Wycombe, Buckinghamshire HP12 4EG (GB).

(72) Inventors; and

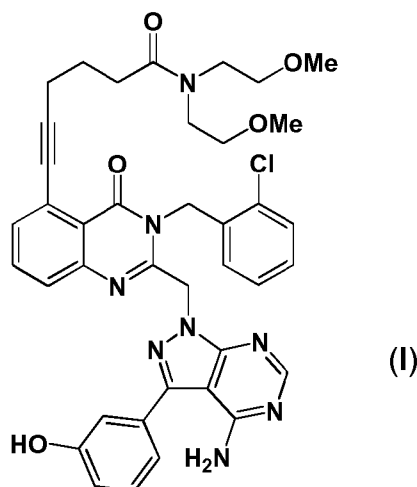
(75) **Inventors/Applicants** (*for US only*): **KING-UNDERWOOD, John** [GB/GB]; Moored Cottage, School Lane, Pendock, Worcestershire GL19 3PW (GB). **ITO, Kazuhiko** [JP/GB]; c/o Respivert Limited, Imperial College BioIncubator, Level 1, Bessemer Building, Imperial College London SW7 2AZ (GB). **MURRAY, Peter John** [GB/GB]; c/o Respivert Limited, Imperial College BioIncubator, Level 1, Bessemer Building, Imperial College London SW7 2AZ (GB). **HARDY, George** [GB/GB]; Sunny Bank, Brightling Road, Robertsbridge, East Sussex TN32 5EJ (GB). **BROOKFIELD, Frederick Arthur**

(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, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) **Title:** QUINAZOLIN-4 (3H) -ONE DERIVATIVES USED AS PI3 KINASE INHIBITORS

(I)

(57) **Abstract:** The present invention relates to the compound of formula (I) and to compositions comprising the same and to the use of the compound and to compositions of the compound in treatment, for example in the treatment of inflammatory diseases, in particular respiratory inflammatory disease. The invention also extends to methods of making the said compound.



Published:

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