

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
28 June 2007 (28.06.2007)

PCT

(10) International Publication Number
WO 2007/072158 A3

(51) International Patent Classification:

C07D 471/08 (2006.01) C07D 519/00 (2006.01)
C07D 487/08 (2006.01) A61K 31/506 (2006.01)
C07D 495/08 (2006.01) A61P 35/00 (2006.01)

Development, Eastern Point Road, Groton, CT 06340 (US). XIAO, Jun [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (CN).

(21) International Application Number:

PCT/IB2006/003655

(74) Agent: FULLER, Grover, F., Jr.; C/o LAWRENCE, Jackie, Pfizer Inc. MS8260-1615, Eastern Point Road, Groton, CT 06340 (US).

(22) International Filing Date:

11 December 2006 (11.12.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/752,708 21 December 2005 (21.12.2005) US

(71) Applicant (for all designated States except US): **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ARCARI, Joel, Thomas** [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **BHATTACHARYA, Samit, Kumar** [IN/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **BROSIUS, Arthur, Douglas** [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **LUZZIO, Michael, Joseph** [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **NELSON, Kendra, Louise** [CA/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **PAN, Gonghua** [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **SOUTHERS, James, Alfred, Jr.** [US/US]; Pfizer Global Research and Development, Eastern Point Road, Groton, CT 06340 (US). **WISHKA, Donn, Gregory** [US/US]; Pfizer Global Research and

(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, GT, 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).

Published:

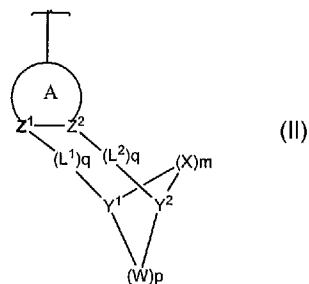
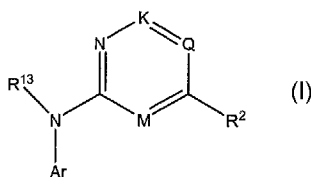
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

27 December 2007

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

(54) Title: PYRIMIDINE DERIVATIVES FOR THE TREATMENT OF ABNORMAL CELL GROWTH



(57) Abstract: The present invention relates to a compound of the Formula (I) or a pharmaceutically acceptable salt thereof, wherein Ar is a group of Formula (II) and salts thereof. Such pyrimidine derivatives are useful in the treatment of abnormal cell growth, such as cancer, in mammals. This invention also relates to a method of using such compounds in the treatment of abnormal cell growth in mammals, especially humans, and to pharmaceutical compositions containing such compounds.