(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/021500 A1

(51) International Patent Classification[7]: C07D 207/26, A61K 31/4015

(21) International Application Number: PCT/US2004/027196

(22) International Filing Date: 20 August 2004 (20.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

| | | |
|---|---|---|
| 60/496,947 | 21 August 2003 (21.08.2003) | US |
| 10/923,619 | 19 August 2004 (19.08.2004) | US |

(71) Applicant *(for all designated States except US)*: **BRISTOL-MYERS SQUIBB COMPANY** [US/US]; Route 206 and Province Line Road, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CARTER, Percy, H.** [US/US]; 34 Parkside Drive, Princeton, NJ 08540 (US). **CHERNEY, Robert, J.** [US/US]; 17 Hill Haven Court, Newtown, PA 18940 (US). **BATT, Douglas, G.** [US/US]; 117 Rockingham Drive, Wilmington, DE 19803 (US). **DUNCIA, John, V.** [US/US]; 274 Andrew Drive, Newtown, PA 18940 (US). **GARDNER, Daniel, S.** [US/US]; 3321 Lancashire Road, Furlong, PA 18925 (US). **KO, Soo, S.** [KR/US]; 7 Aston Circle, Hockessin, DE 19707 (US). **SRIVASTAVA, Anurag, S.** [IN/US]; 206 Tomahawk Court, Belle Mead, NJ 08502 (US). **YANG, Michael, G.** [US/US]; 1583 Hagys Ford Road, Narberth, PA 19072 (US).

(74) Agents: **VANATTEN, Mary, K.** et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, IT, LU, 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).

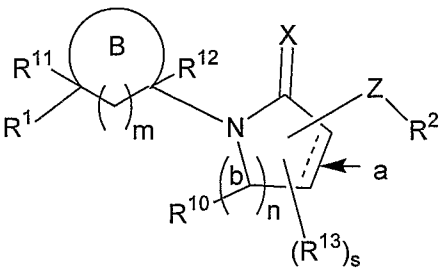
**Published:**

— *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*

*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: CYCLIC DERIVATIVES AS MODULATORS OF CHEMOKINE RECEPTOR ACTIVITY




(I)

(57) Abstract: The present application describes modulators of MCP-1 of formula (I): or pharmaceutically acceptable salt forms thereof, useful for the treatment of rheumatoid arthritis, multiple sclerosis, atherosclerosis and asthma.

WO 2005/021500 A1