03 OCT 2003

20030609?

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

CORRECTED VERSION

162162

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 December 2002 (27.12.2002)

PCT

(10) International Publication Number
WO 02/102376 A1

(51) International Patent Classification[7]: A61K 31/415, 31/635, 47/48, 47/10, A61P 29/00

(21) International Application Number: PCT/US02/11690

(22) International Filing Date: 12 April 2002 (12.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/284,589 17 April 2001 (17.04.2001) US
60/357,959 19 February 2002 (19.02.2002) US

(71) Applicant *(for all designated States except US)*: **PHARMACIA CORPORATION** [US/US]; Corporate Patent Department, 800 North Lindbergh Blvd., Mail Zone 04E, St. Louis, MO 63167 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GAO, Ping** [US/US]; 7191 Crown Point Circle, Portage, MI 49024 (US). **HUANG, Tiehua** [US/US]; 5231 Snowbird Court, Kalamazoo, MI 49009 (US). **ROBINS, Russell, H.** [US/US]; 1728 Winters Drive, Portage, MI 49002 (US). **BAUER, Juliane, M.** [US/US]; 6441 Westshire Street, Portage, MI 49024 (US). **GUIDO, Jane, E.** [US/US]; 10279 East U Avenue, Vicksburg, MI 49097 (US). **BRUGGER, Andrew, M.** [US/US]; 740 Thomas Court, Libertyville, IL 60048 (US). **KARIM, Aziz** [US/US]; 5225 Greenleaf, Skokie, IL 60077 (US). **HASSAN, Fred** [US/US]; 100 Route 206 North, Peapack, NJ 07977 (US). **FORBES, James, C.** [US/US]; 1625 Glenview Road, Glenview, IL 60025 (US).

(74) Agents: **FORBES, James, C.** et al.; Pharmacia Corporation, Corporate Patent Department, 800 North Lindbergh Blvd., Mail Zone O4E, St. Louis, MO 63167 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(48) Date of publication of this corrected version:
24 April 2003

(15) Information about Correction:
see PCT Gazette No. 17/2003 of 24 April 2003, Section II

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.

ACTION

WO 02/102376 A1

(54) Title: ORALLY DELIVERABLE PHARMACEUTICAL COMPOSITION COMPRISING AN ACTIVE COMPOUND HAVING AN AMINOSULFONYL GROUP (cox-2 INHIBITOR), A POLYETHYLENE GLYCOL AND A FREE-RADICAL SCAVENGING ANTIOXIDANT

(57) Abstract: An orally deliverable pharmaceutical composition is provided comprising an aminosulfonyl-comprising drug, for example a selective cyclooxygenase-2 inhibitory drug such as celecoxib, and a solvent liquid comprising a polyethylene glycol and one or more free radical-scavenging antioxidants. At least a substantial part of the drug is in dissolved form in the solvent liquid. The composition has rapid-onset properties and is useful in treatment of cyclooxygenase-2 mediated conditions and disorders.