

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
14 March 2002 (14.03.2002)

PCT

(10) International Publication Number  
**WO 02/19994 A3**

- (51) International Patent Classification<sup>7</sup>: **A61K 31/49**, A61P 19/00, 17/06, 1/00, 11/08, 11/06
- (21) International Application Number: PCT/GB01/03924
- (22) International Filing Date: 31 August 2001 (31.08.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0021776.0 5 September 2000 (05.09.2000) GB
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- (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, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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  
— 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:  
16 May 2002
- 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.*



**WO 02/19994 A3**

(54) Title: THE TREATMENT OF INFLAMMATORY DISORDERS

(57) Abstract: A method of treating an inflammatory disease or an autoimmune disease in a subject, comprises the administration of melfloquine. The inflammatory disease is rheumatoid arthritis, osteoarthritis, psoriatic arthritis, psoriasis, Crohn's disease, systemic lupus erythematosus, ulcerative colitis, COPD or asthma.

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/GB 01/03924

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 A61K31/49 A61P19/00 A61P17/06 A61P1/00 A61P11/08  
A61P11/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BATES, EDNA J. ET AL: "Stimulation of human neutrophil degranulation by mefloquine" INT. ARCH. ALLERGY APPL. IMMUNOL. (1988), 86(4), 446-52, XP000979855 abstract page 446, column 1, paragraph 1 page 450, column 2, paragraphs 4,5 --- -/--	1-6

Further documents are listed in the continuation of box C.  Patent family members are listed in annex.

° Special categories of cited documents :

*A* document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*E* earlier document but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
*O* document referring to an oral disclosure, use, exhibition or other means	*&* document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  25 February 2002	Date of mailing of the international search report  05/03/2002
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  A. Jakobs
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 01/03924

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RAINSFORD K D: "EFFECTS OF ANTIMALARIAL DRUGS ON INTERLEUKIN 1-INDUCED CARTILAGE PROTEOGLYCAN DEGRADATION IN-VITRO" JOURNAL OF PHARMACY AND PHARMACOLOGY, GB, LONDON, vol. 38, no. 11, 1986, pages 829-833, XP000889827 ISSN: 0022-3573 abstract page 829, column 1, paragraph 1</p>	1,4
X	<p>FONTAGNE, J. ET AL: "Effects of some antimalarial drugs on rat inflammatory polymorphonuclear leukocyte function" BIOMED. PHARMACOTHER. (1989), 43(1), 43-51, XP000981559 abstract page 44, column 1, paragraphs 1-3 page 50, column 2, paragraphs 2,3</p>	1,4
X,P	<p>WO 00 66107 A (APT PHARMACEUTICALS L L C) 9 November 2000 (2000-11-09) abstract page 21, line 15-18 page 44, line 3-27; claims 1,29,32-39; examples 1-3</p>	1-6
X	<p>WO 90 00055 A (DAVIS MICHAEL H) 11 January 1990 (1990-01-11) abstract page 3, paragraph 3 -page 4, paragraph 4</p>	1,4
X	<p>DEAN GOLDRING J P ET AL: "Antimalarial drugs modulate the expression of monocyte receptors." INTERNATIONAL JOURNAL OF IMMUNOPHARMACOLOGY, vol. 21, no. 9, 1999, pages 599-607, XP000979856 ISSN: 0192-0561 abstract</p>	1,4

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The terms "inflammatory disease or autoimmune disease" is not clear in the present context because the artisan skilled in the field of therapy can not enumerate exhaustively which disease is comprised within this term.

Claims searched completely: 3,6

Claims searched incompletely: 1,2,4,5

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 01/03924

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
WO 0066107	A	09-11-2000	EP 1175216 A2 WO 0066107 A2	30-01-2002 09-11-2000
WO 9000055	A	11-01-1990	AT 104851 T AU 633499 B2 AU 3852989 A BR 8907518 A DE 68914990 D1 DE 68914990 T2 EP 0422097 A1 JP 3505579 T KR 9208704 B1 RU 2060032 C1 RU 2145856 C1 WO 9000055 A1 US 5153202 A US 5318979 A US 5278173 A	15-05-1994 04-02-1993 23-01-1990 28-05-1991 01-06-1994 11-08-1994 17-04-1991 05-12-1991 08-10-1992 20-05-1996 27-02-2000 11-01-1990 06-10-1992 07-06-1994 11-01-1994