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- (71) **Applicant (for all designated States except US):** **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford Middlesex UB6 0NN (GB).
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- (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.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))
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21 June 2012



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(54) **Title:** METHOD OF TREATMENT

(57) **Abstract:** A method of treating autoimmune and inflammatory diseases or conditions in a mammal, such as a human, which comprises the administration of an inhibitor of the bromodomain-containing protein: SP110.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2011/068673

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. (means)
 - on paper
 - in electronic form
 - b. (time)
 - in the international application as filed
 - together with the international application in electronic form
 - subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/068673

A. CLASSIFICATION OF SUBJECT MATTER
INV. C12N15/11 C12N15/113 A61P37/00
ADD.
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)
C12N A61P
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)
EPO-Internal, BIOSIS, EMBASE, FSTA, 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	US 2003/216548 A1 (BLOCH DONALD B [US] ET AL) 20 November 2003 (2003-11-20) claims 9-16	1-6
A	----- TONY ROSCIOLI ET AL: "Mutations in the gene encoding the PML nuclear body protein Sp110 are associated with immunodeficiency and hepatic veno-occlusive disease", NATURE GENETICS, vol. 38, no. 6, 1 June 2006 (2006-06-01), pages 620-622, XP55025261, ISSN: 1061-4036, DOI: 10.1038/ng1780 abstract ----- -/--	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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.</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 24 April 2012	Date of mailing of the international search report 07/05/2012
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Habedanck, Robert

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/068673

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SIMON T. CLIFFE ET AL: "The first prenatal diagnosis for veno-occlusive disease and immunodeficiency syndrome, an autosomal recessive condition associated with mutations in SP110", PRENATAL DIAGNOSIS, vol. 27, no. 7, 1 July 2007 (2007-07-01), pages 674-676, XP55025267, ISSN: 0197-3851, DOI: 10.1002/pd.1759 abstract	1-6
A,P	----- Denis, G.: "Bromodomain Coactivators in Cancer, Obesity, Type 2 Diabetes and Inflammation", Discov. Med., vol. 10 December 2010 (2010-12), pages 489-499, XP55020723, Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3025494/pdf/nihms261645.pdf [retrieved on 2012-03-01] abstract	1-6
A	----- DE LA FUENTE JOSÉ ET AL: "Sp110 transcription is induced and required by Anaplasma phagocytophilum for infection of human promyelocytic cells", BMC INFECTIOUS DISEASES, BIOMED CENTRAL, LONDON, GB, vol. 7, no. 1, 20 September 2007 (2007-09-20), page 110, XP021028888, ISSN: 1471-2334, DOI: 10.1186/1471-2334-7-110 abstract -----	1-6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/068673

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003216548	A1	US 2003216548 A1	20-11-2003
		US 2006234289 A1	19-10-2006
