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(71) **Applicant** *(for all designated States except US)*: **BIOCOPEA LIMITED** [—/GB]; 100 Fetter Lane, London, Greater London EC4A 1BN (GB).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **BANNISTER, Robin Mark** [GB/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **BREW, John** [GB/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **CAPARROS-WANDERLEY, Wilson** [ES/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **STOLOFF, Gregory Alan** [AU/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **DILLY, Suzanne Jane** [GB/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **SZUCS, Gemma** [GB/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB). **PLEGUEZUELOS MATEO, Olga** [ES/GB]; Biocopea Limited, Centralpoint, 45 Beech Street, London, Greater London EC2Y 8AD (GB).

(74) **Agent**: **STEVENS, Fiona**; The Broadgate Tower, 20 Primrose Street, London, Greater London EC2A 2ES (GB).

(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.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) **Date of publication of the international search report**:
14 March 2013

WO 2012/104655 A3

(54) **Title**: COMPOSTIONS AND METHODS FOR TREATING CHRONIC INFLAMMATION AND INFLAMMATORY DISEASES

(57) **Abstract**: The present specification discloses pharmaceutical compositions, methods of preparing such pharmaceutical compositions, and methods and uses of treating a chronic inflammation and/or an inflammatory disease in an individual using such pharmaceutical compositions.

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2012/050242

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K9/06 A61K9/00 A61K31/00 A61K47/10 A61K47/12
A61K47/44
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)
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 practicable, search terms used)
EPO-Internal, CHEM ABS Data, EMBASE, WPI Data, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/085414 A2 (UNIV TEXAS [US]; LICHTENBERGER LENARD [US]) 31 October 2002 (2002-10-31)	1,3,4, 73-75, 137-139, 176-181
Y	claims 1-56 last paragraph; page 20 General Methods for Making the General Compositions; page 6	1-26, 38-85, 97-181

X	US 5 059 626 A (PARK MOO W [US] ET AL) 22 October 1991 (1991-10-22)	1,3,4, 73-75, 137-139, 176-181
Y	column 2; table I examples I, II	1-26, 38-85, 97-181

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
3 January 2013	22/01/2013

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Schüle, Stefanie

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Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2012/050242

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

1-26, 38-85, 97-181

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 23, 24, 82, 83(completely); 1-22, 38-81, 97-181(partially)

   Composition comprising a) NSAIDs as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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2. claims: 25, 26, 84, 85(completely); 1-22, 38-81, 97-181(partially)

   Composition comprising a) a PPAR? agonist as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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3. claims: 27, 28, 86, 87(completely); 1-22, 38-81, 97-181(partially)

   Composition comprising a) a nuclear receptor binding agent as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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4. claims: 31, 90(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

   Composition comprising a) a fibrate as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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5. claims: 32, 91(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

   Composition comprising a) a statin as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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6. claims: 1-22, 29, 30, 38-81, 88, 89, 97-181(all partially)

   Composition comprising a) a tocotrienol as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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7. claims: 33, 92(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

   Composition comprising a) a niacin as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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8. claims: 34, 93(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Composition comprising a) a bile acid sequestrants (resin) as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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9. claims: 35, 94(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

Composition comprising a) a cholesterol absorption inhibitor as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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10. claims: 36, 95(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

Composition comprising a) a pancreatic lipase inhibitor as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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11. claims: 37, 96(completely); 1-22, 29, 30, 38-81, 88, 89, 97-181(partially)

Composition comprising a) a sympathomimetic amine as therapeutic agents, and b) a pharmaceutically acceptable adjuvant

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2008/070950 A1 (MAUVES INC LAB [CA]; LE CANH TIEN [CA]; DUPUIS CATHERINE [CA]; SCHLEGE) 19 June 2008 (2008-06-19)	1,3,4, 73-75, 137-139, 176-181
Y	examples 1-8 claims 1-32	1-26, 38-85, 97-181

X	US 2003/170279 A1 (LAMBERT KAREL J [US] ET AL) 11 September 2003 (2003-09-11)	1,3,4, 73-75, 137-139, 176-181
Y	example 27	1-22,25, 26, 38-81, 85, 97-181

X	CN 1 736 369 A (SHANDONG GREENERY NATURAL MEDI [CN]) 22 February 2006 (2006-02-22)	1,3,4, 73-75, 137-139, 176-181
Y	example examples	1-22,25, 26, 38-81, 85, 97-181

X,P	WO 2011/095814 A1 (BIOCOPEA LTD [GB]; CAPARROS-WANDERLEY WILSON [GB]; BREW JOHN [GB]; STO) 11 August 2011 (2011-08-11) the whole document	1-26, 38-46, 51-85, 97-105, 110-181

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/GB2012/050242

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