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- 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))

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3 April 2014

(54) Title: BIODEGRADABLE COMPOSITIONS

(57) Abstract: The present invention relates to filled biopolymers, methods of manufacture and uses thereof.



WO 2013/190274 A3

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2013/051569

A. CLASSIFICATION OF SUBJECT MATTER

INV. C08K3/34
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)

C08K

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, PAJ, 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 2005/203208 A1 (RUIZ FRANK A [US]) 15 September 2005 (2005-09-15)	1,2
Y	the whole document	3,11, 13-35
Y	----- US 5 713 998 A (SHURLING JR DICKEY S [US] ET AL) 3 February 1998 (1998-02-03) column 1, line 10 - column 1, line 25 -----	3,11, 13-35



Further documents are listed in the continuation of Box C.



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

16 August 2013

Date of mailing of the international search report

14/02/2014

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2013/051569

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.:
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.:

1-7(completely); 11, 13-35(partially)

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: 1-7(completely); 11, 13-35(partially)

with "kandite clay"

2. claims: 8, 9(completely); 11, 13-35(partially)

with "flash calcined clay"

3. claims: 10(completely); 11, 13-35(partially)

with "surface treaded clay"

4. claims: 12(completely); 13-35(partially)

with "d50 of about ...to about 3 micrometer"

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2013/051569

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005203208 A1	15-09-2005	US 2005203208 A1	15-09-2005
		WO 2005094201 A2	13-10-2005

US 5713998 A	03-02-1998	AU 706999 B2	01-07-1999
		AU 4443596 A	22-08-1996
		BR 9600711 A	30-12-1997
		US 5713998 A	03-02-1998
