

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
13 August 2009 (13.08.2009)

PCT

(10) International Publication Number  
**WO 2009/100181 A3**

- (51) **International Patent Classification:**  
A61K 31/74 (2006.01)      A61P 3/04 (2006.01)  
A61K 47/34 (2006.01)
- (21) **International Application Number:**  
PCT/US2009/033157
- (22) **International Filing Date:**  
5 February 2009 (05.02.2009)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
61/026,183      5 February 2008 (05.02.2008)      US  
61/059,420      6 June 2008 (06.06.2008)      US  
12/365,447      4 February 2009 (04.02.2009)      US
- (71) **Applicant (for all designated States except US):** WEL-  
LOSOPHY CORPORATION [US/US]; 2795 E. Bid-  
well St., Suite 100-220, Folsom, CA 95630 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** DAVIS, Richard  
[US/US]; 2801 Queen Elaine Court, El Dorado Hill, CA  
95762 (US).
- (74) **Agents:** ZERHUSEN, Bryan et al.; McCarter & English,  
LLP, City Place I, 185 Asylum Street, Hartford, CT  
06103 (US).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

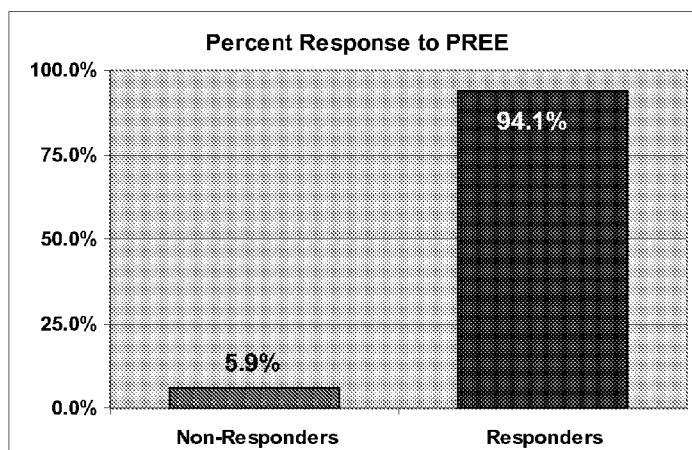
(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, 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))

[Continued on next page]

(54) **Title:** ABSORBENT INGESTIBLE AGENTS AND ASSOCIATED METHODS OF MANUFACTURE AND USE

**FIGURE 1.**



(57) **Abstract:** Appetite suppression and weight management achieved through pre-meal ingestion of temporary gastric bulking agents in the form of superabsorbent polymer hydrogels (SAPHs) selected from among a group consisting of crosslinked polycarboxylic acid moieties is described. The preferred compositions and manufacturing methods of ultrapure preparations of ingestible forms; as well as the preferred methods of use, dosage and administration; distribution and delivery of SAPH materials are also described.

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**(88)** Date of publication of the international search report:  
1 October 2009

**A. CLASSIFICATION OF SUBJECT MATTER***A61K 31/74(2006.01)i, A61K 47/34(2006.01)i, A61P 3/04(2006.01)i*

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 8: A61K 31/74, A61K 47/34, A61P 3/04

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

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

PubMed, KOMPASS(KIPO net) : 'gastric, bulk\*, polycarboxylate, homopolymer, copolymer, L-leucine, magnesium, polyacrylic, hydrogel, carboxylic acid'

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 2007/112436 A2(GELESIS, INC.) 04 October 2007 See abstract, page 15, pages 18-19 and claims	1-4,7,8,18,19 5,6,9-17,20
A	WO 2007/115169 A2(GELESIS, INC.) 11 October 2007 See abstract, pages 23-24 and claims	1-20
A	US 6271278 B1(Park, K., et al.) 07 August 2001 See abstract and claims	1-20
A	US 2003/0211071 A1(Bologna, W.J., et al.) 13 November 2003 See abstract and claims	1-20

 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

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"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 JULY 2009 (31.07.2009)

Date of mailing of the international search report

**31 JULY 2009 (31.07.2009)**

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu,  
Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, JEONG UNG

Telephone No. 82-42-481-8131



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2009/033157**

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