

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 October 2007 (18.10.2007)

PCT

(10) International Publication Number
WO 2007/117222 A1

(51) International Patent Classification:

C08G 18/48 (2006.01) A61K 47/00 (2006.01)
C08G 18/42 (2006.01) C08G 71/00 (2006.01)
C08G 71/04 (2006.01) C08G 81/00 (2006.01)

(21) International Application Number:

PCT/SG2007/000097

(22) International Filing Date: 12 April 2007 (12.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/791,199 12 April 2006 (12.04.2006) US

(71) Applicants (for all designated States except US):
AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH [SG/SG]; 20 Biopolis Way, #07-01 Centres, Singapore 138668 (SG). **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 10 Kent Ridge Crescent, Singapore 119260 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LI, Jun** [CN/SG]; Block 113, Clementi Road, #05-02, Singapore 129793 (SG). **LOH, Xian Jun** [SG/SG]; 201 Carpmael Road, Singapore 429937 (SG). **GOH, Suat Hong** [SG/SG]; 480C East Coast Road, Singapore 429047 (SG).

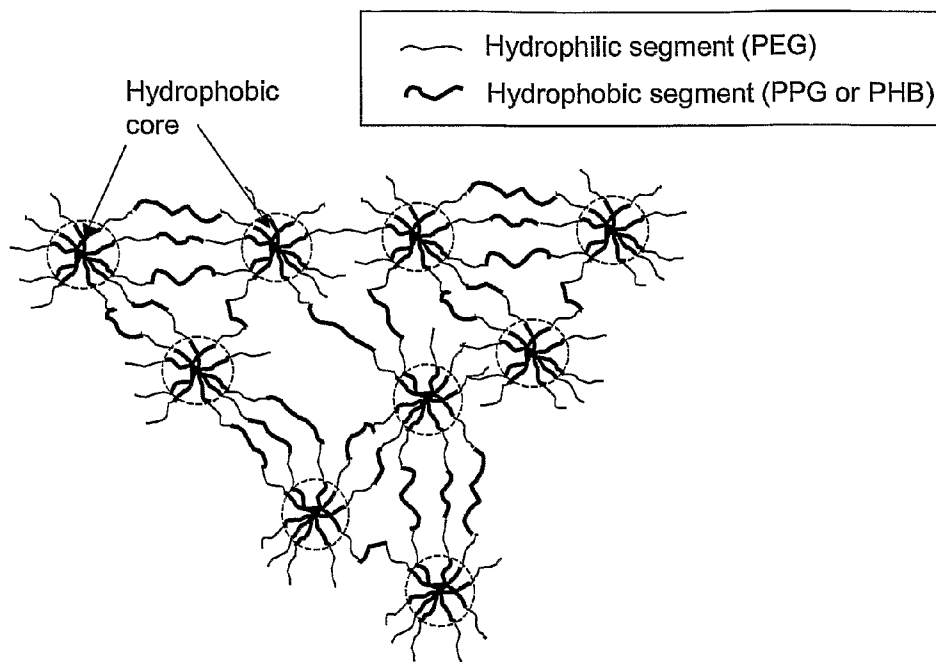
(74) Agent: **YU SARN AUDREY & PARTNERS**; 190 Middle Road, #12-04, Singapore 188979 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, **BB**, BG, **BH**, **BR**, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, **DK**, DM, 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, 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, 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,

[Continued on next page]

(54) Title: BIODEGRADABLE THERMOGELLING POLYMER



(57) Abstract: There is provided a polymer comprising blocks of at least one poly(ethylene glycol) block, at least one poly(propylene glycol) block and at least one poly(hydroxybutyrate) block. Also provided is a method of making the polymer and a method of using the polymer.

WO 2007/117222 A1



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, HU, IE, **IS**, **IT**, LT, LU, LV, MC, MT, NL, PL,
PT, **RO**, SE, **SI**, SK, TR), OAPI (BF, **BJ**, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, **MR**, NE, SN, TD, TG).

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report*

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(H))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Hi))*

(48) Date of publication of this corrected version:

24 April 2008

(15) Information about Correction:

see Notice of 24 April 2008