



(51) International Patent Classification:

A61K 9/127 (2006.01) C12M 1/02 (2006.01)
A61K 47/36 (2006.01)

(21) International Application Number:

PCT/KR2011/001303

(22) International Filing Date:

24 February 2011 (24.02.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2010-0016555

24 February 2010 (24.02.2010)

KR

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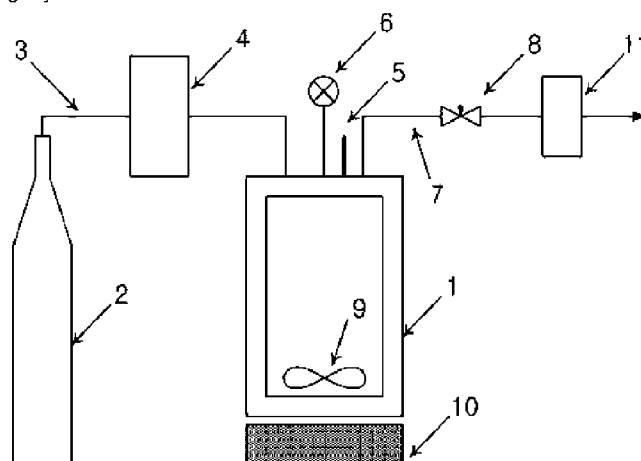
(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, 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, RO, RS, RU, 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, 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,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PREPARING NOVEL LIPOSOME

[Fig. 1]



(57) **Abstract:** Disclosed is a method for preparing a liposome formulation. In the disclosed method, a lipid fraction is dissolved in an organic solvent. The solution including a bioactive component and the lipid fraction, together with a carrier, is put in a reaction vessel, and a supercritical fluid is introduced thereto, so as to prepare particles coated with the bioactive component-lipid. The supercritical fluid is discharged by compression to obtain proliposome particles, and then the proliposome particles are hydrated by an aqueous solution including water so as to form a liposome solution. Preferably, the formulation may include one or more bioactive components. As required, the liposome formulation may be further processed by methods such as particle size reduction, removal of organic solvent, and freeze-drying. The preparation method can be easily carried out at a laboratory scale. Furthermore, the same method can be employed in liposome formulation preparation in mass production, or at a commercial scale.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *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))*

Published:

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

(88) Date of publication of the international search report:

12 January 2012

A. CLASSIFICATION OF SUBJECT MATTER*A61K 9/127(2006.01)i, A61K 47/36(2006.01)i, C12M 1/02(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)

A61K 9/127

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: , ,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Journal of Controlled Release 49 (1997) 177-184 (Bo-Young Hwang et al) See entire document	1-13
Y	KR 10-1996-0702748 A (appears Co.) 23 May 1996 See entire document	1-13



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

23 NOVEMBER 2011 (23.11.2011)

Date of mailing of the international search report

24 NOVEMBER 2011 (24.11.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsu-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2011/001303

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