

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 December 2021 (09.12.2021)



(10) International Publication Number
WO 2021/246967 A1

(51) International Patent Classification:

B01J 13/14 (2006.01) *A23L 29/231* (2016.01)
A23P 10/35 (2016.01) *A61K 47/36* (2006.01)
A23L 29/219 (2016.01) *A61K 9/48* (2006.01)

(21) International Application Number:

PCT/SG2021/050319

(22) International Filing Date:

03 June 2021 (03.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10202005331V 05 June 2020 (05.06.2020) SG

(71) Applicant: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10, Connexis North Tower, Singapore 138632 (SG).

(72) Inventor: **BRZOZOWSKA, Agata Maria**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG).

(74) Agent: **ALLEN & GLEDHILL LLP**; One Marina Boulevard #28-00, Singapore 018989 (SG).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, SZ, TZ,

(54) Title: A METHOD OF PRODUCING AN ENCAPSULATED PRODUCT AND ENCAPSULATED PRODUCT PRODUCED THEREBY

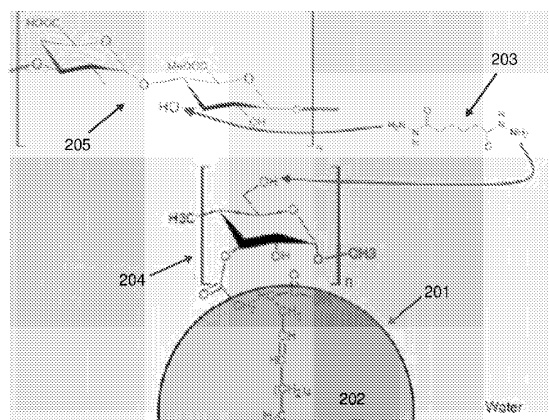


Figure 2

(57) Abstract: The present invention relates to a method of producing an encapsulated oil-soluble active ingredient dissolved in oil. The method comprises mixing an oil-soluble active ingredient dissolved in oil with a solution of OSA-modified starch and a pectin stock solution under high shear condition to form an oil-in-water emulsion and gradually forming a suspension of microcapsules, wherein each of the microcapsules comprises a microcapsule wall formed from the OSA-modified starch from the solution of OSA-modified starch; and adding a solution containing a cross-linker into the suspension of microcapsules to cause a cross-linking reaction so as to form a cross-linked wall on each of the microcapsules, wherein each of the microcapsules comprises the oil-soluble active ingredient dissolved in oil, encapsulated within the cross-linked wall consisting of OSA-modified starch cross-linked with pectin, and wherein the microcapsules are dispersible in aqueous media. The invention further relates to an encapsulated product obtainable by the method of the present invention. The encapsulated product is free of additional surfactant.

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UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*