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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2014 (25.09.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/150343 A1

(51) International Patent Classification:
*A61K 9/48* (2006.01) *A61K 47/36* (2006.01)
*A61K 9/50* (2006.01)

(21) International Application Number:
PCT/US2014/022993

(22) International Filing Date:
11 March 2014 (11.03.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/790,051 15 March 2013 (15.03.2013) US

(72) Inventor; and
(71) Applicant : **JAFFE, Russell** [US/US]; 10430 Hunter View, Vienna, VA 22181 (US).

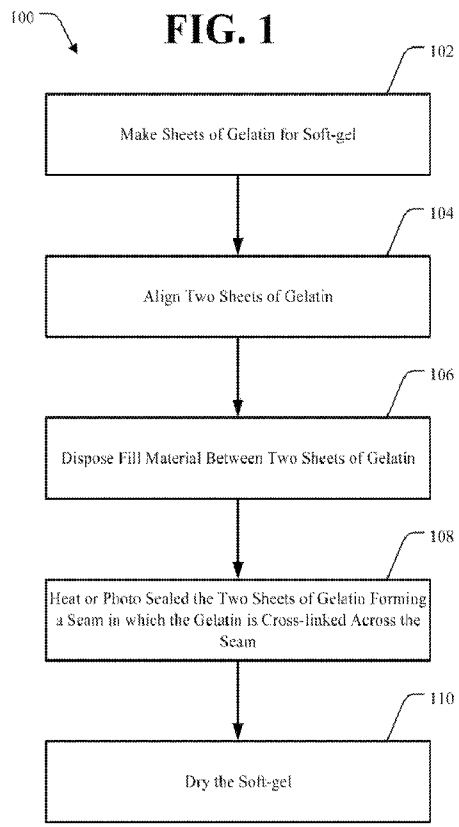
(74) Agent: **WALKER, Joseph, M.**; Seyfarth Shaw LLP, Two Seaport Lane, Suite 300, Boston, MA 02210 (US).

(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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, 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).

*[Continued on next page]*

(54) Title: SOFT GEL ENCAPSULATION




(57) Abstract: A stable soft gel dosage form for micronized magnesium complexes is provided wherein soft gel capsules containing various magnesium complexes can be stored for prolonged periods under typical home storage conditions with better than 98% or 99% ASA integrity and with negligible physical or chemical deterioration of the soft gelatin capsule over an extended period of time. The stable soft gel capsule is sealed at a selected temperature forming a seam in which the gelatin promotes cross-linking across the heat seam. This method of sealing the soft gel provides for a better seal that cures the weeping problem that can result from the prior methods of heat sealing soft gel capsules.

WO 2014/150343 A1

**Published**:

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