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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 May 2020 (22.05.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/102474 A1

(51) International Patent Classification:
A61K 9/08 (2006.01) *A61K 47/14* (2017.01)
A61K 47/02 (2006.01) *A61K 47/18* (2017.01)
A61K 47/10 (2017.01) *A61K 47/22* (2006.01)
A61K 47/12 (2006.01) *A61K 31/573* (2006.01)

(21) International Application Number:
PCT/US2019/061363

(22) International Filing Date:
14 November 2019 (14.11.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/767,448 14 November 2018 (14.11.2018) US

(71) Applicant: **AVM BIOTECHNOLOGY, LLC** [US/US]; 1749 Dexter Avenue, Seattle, Washington 98109 (US).

(72) Inventors: **DEISHER, Theresa**; c/o AVM Biotechnology, LLC, 1749 Dexter Avenue, Seattle, Washington 98109 (US). **JARZYNA, Adalbert**; c/o AVM Biotechnology, LLC, 1749 Dexter Avenue, Seattle, Washington 98109 (US). **DUNCAN, Iain**; c/o AVM Biotechnology, LLC, 1749 Dexter Avenue, Seattle, Washington 98109 (US).

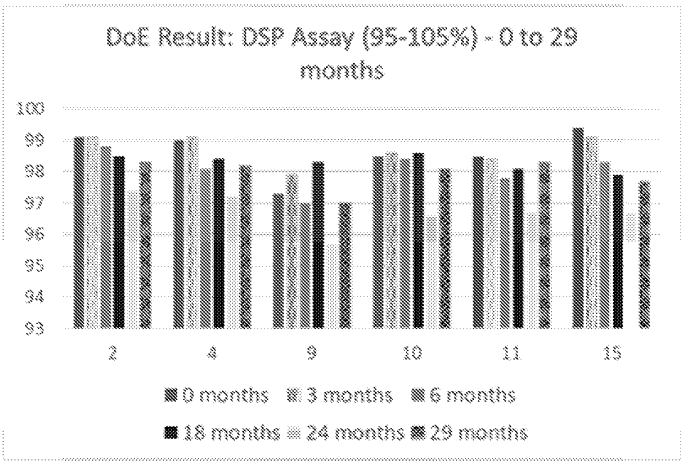
(74) Agent: **SCARR, Rebecca** et al.; McNeill Baur PLLC, 125 Cambridge Park Drive, Suite 301, Cambridge, MA 02140 (US).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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, 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, ST, 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).

(54) Title: STABLE GLUCOCORTICOID FORMULATION

Figure 1



(57) Abstract: This invention relates to aqueous pharmaceutical formulations comprising a glucocorticoid. These have been formulated to contain high concentrations of glucocorticoid and reduced levels of preservatives.

[Continued on next page]

WO 2020/102474 A1

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