

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 January 2023 (05.01.2023)



(10) International Publication Number
WO 2023/275571 A1

(51) International Patent Classification:

A61K 31/58 (2006.01) *A61K 47/10* (2017.01)
A61K 31/4045 (2006.01) *A61P 17/14* (2006.01)
A61K 31/506 (2006.01) *A61K 8/63* (2006.01)
A61K 31/5575 (2006.01) *A61K 8/49* (2006.01)
A61K 31/203 (2006.01) *A61K 8/98* (2006.01)
A61K 35/19 (2015.01) *A61K 8/34* (2006.01)
A61K 38/36 (2006.01) *A61K 9/08* (2006.01)
A61K 9/00 (2006.01)

DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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.

(21) International Application Number:

PCT/GB2022/051720

(22) International Filing Date:

04 July 2022 (04.07.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2109592.2 02 July 2021 (02.07.2021) GB

(71) Applicant: **DR OPHELIA LIMITED** [GB/GB]; 35 Beaufort Court, Admirals Way, London E14 9XL (GB).

(72) Inventor: **VERAITCH, Ophelia**; 35 Beaufort Court, Admirals Way, London E14 9XL (GB).

(74) Agent: **HGF LIMITED**; Handling Office (Leeds), 1 City Walk, Leeds West Yorkshire LS11 9DX (GB).

(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,

(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).

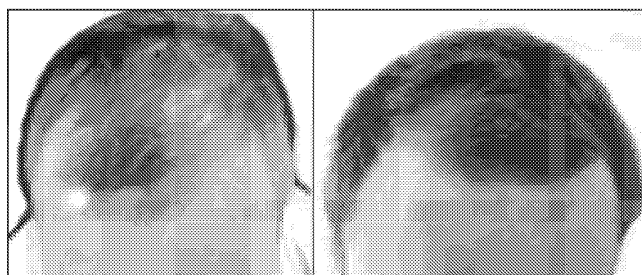
Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: FORMULATION FOR INCREASING HAIR GROWTH AND REDUCING HAIR THINNING



A

B

FIG. 2

(57) Abstract: A formulation for use in the treatment of increasing hair thickness, increasing hair growth, reducing hair thinning and/or reducing hair loss in a subject that has received or will subsequently or concurrently receive platelet rich fibrin (PRF), said formulation comprising 0.01 wt% to 1 wt% finasteride and 0.01 wt% to 1 wt% melatonin administered to the scalp of the subject. A formulation for use in the treatment of increasing hair thickness, increasing hair growth, reducing hair thinning and/or reducing hair loss of the eyebrows and/or eyelashes of a subject, said formulation comprising 0.01 wt% to 1 wt% finasteride and 0.01 wt% to 1 wt% melatonin administered to the eyebrows and/or eyelashes of the subject.



WO 2023/275571 A1