

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 October 2024 (10.10.2024)



(10) International Publication Number
WO 2024/211282 A1

(51) International Patent Classification:
A61K 31/728 (2006.01) *A61P 17/00* (2006.01)

(21) International Application Number:
PCT/US2024/022632

(22) International Filing Date:
02 April 2024 (02.04.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/457,928 07 April 2023 (07.04.2023) US

(71) Applicant: **AMPLIFICA HOLDINGS GROUP, INC.**
[US/US]; 3525 Del Mar Heights Road, Suite A-583, San
Diego, CA 92130 (US).

(72) Inventors: **FAZIO, Frank**; 14830 Fisher Cove, Del Mar,
CA 92014 (US). **WAJDIE, Ahmad**; 10022 Deerhaven Drive,
Santa Ana, CA 92705 (US). **MASI, Louis**; 13710-F
Portofino Drive, Del Mar, CA 92014 (US).

(74) Agent: **HALLIDAY, Chris** et al.; DLA Piper LLP (US),
1650 Market Street, Suite 5000, Philadelphia, PA 19103
(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, CV, CZ, DE, DJ, DK, DM,
DO, 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, MG, MK, MN, MU, 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, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: COMPOSITIONS AND METHODS FOR TREATMENT OF ANDROGENETIC ALOPECIA

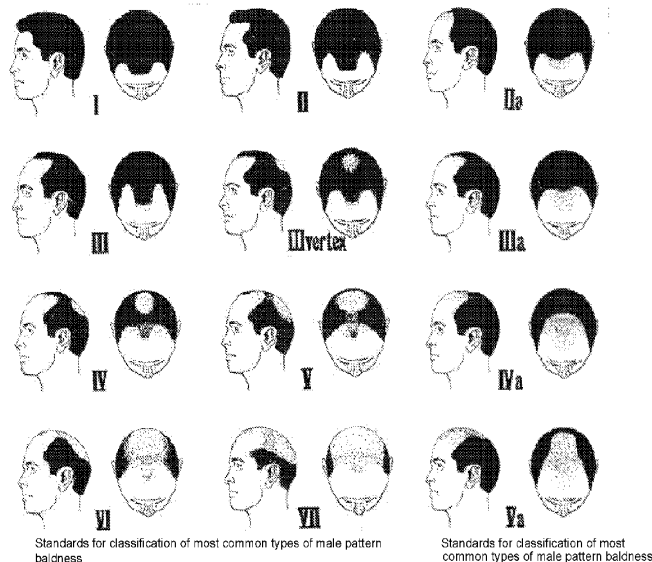


FIG. 1

(57) Abstract: Methods and compositions for stimulating hair growth are disclosed. Compositions for stimulating hair growth include hyaluronic acid. Also provided herein are methods and compositions for the treatment of androgenetic alopecia (AGA). Methods for stimulating hair growth and/or treating AGA include administering such composition into the skin of a patient.

[Continued on next page]

WO 2024/211282 A1

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))*