

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2014/152086 A8

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

- (51) International Patent Classification:
A61B 5/00 (2006.01) *G01N 33/497* (2006.01)
G01N 33/50 (2006.01)
- (21) International Application Number:
PCT/US2014/026933
- (22) International Filing Date:
14 March 2014 (14.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/803,260 19 March 2013 (19.03.2013) US
- (71) Applicant: **THE PROCTER & GAMBLE COMPANY**
[US/US]; One Procter & Gamble Plaza, Cincinnati, OH
45202 (US).
- (72) Inventors: **HULETTE, Ben, Charlton**; One Procter &
Gamble Plaza, Cincinnati, OH 45202 (US). **DAWSON,**
Thomas, Larry, Jr.; 238 Thomson Road, #20-01/10,
Novena Square, Tower, Singapore 307684 (SG).
- (74) Agent: **GUFFEY, Timothy, B.**; C/o The Procter &
Gamble Company, Global Patent Services, 299 East 6th
Street, Sycamore Building, 4th Floor, Cincinnati, OH
45202 (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, QA, 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))

- (48) Date of publication of this corrected version:
24 September 2015

- (15) Information about Correction:
see Notice of 24 September 2015

(54) Title: METHOD OF MEASURING THE METABOLIC INDICATORS OF HAIR FOLLICLES

(57) Abstract: A method of measuring the effect of an active agent or a stressor on the baseline metabolic indicators of one or more hair follicles, the method including (a) obtaining one or more hair follicles; (b) placing the one or more hair follicles in a vessel, wherein the one or more hair follicles are positioned under one or more sensors; (c) using the one or more sensors to measure the one or more hair follicles' baseline metabolic indicators for both glycolysis and oxidative phosphorylation; (d) exposing the one or more hair follicles to an active agent or a stressor; and (e) using the one or more sensors to measure the one or more hair follicles' re-spondent metabolic indicators for both glycolysis and oxidative phosphorylation.



WO 2014/152086 A8