

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
23 December 2021 (23.12.2021)



(10) International Publication Number
WO 2021/254851 A1

(51) International Patent Classification:

A61K 31/353 (2006.01) A61K 36/15 (2006.01)
A61P 31/12 (2006.01)

Published:

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

(21) International Application Number:

PCT/EP2021/065482

(22) International Filing Date:

09 June 2021 (09.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20180939.9 18 June 2020 (18.06.2020) EP

(71) Applicant: **HORPHAG RESEARCH IP (PYC) LTD.**

[CY/CY]; Karaiskaki 38, Kanika Alexander Center BLC
1F, 1st Floor, Flat/Office 113 CD, Limassol, 3032 (CY).

(72) Inventors: **FERRARI, Victor**; C/O Horphag Research,

Avenue Louis Casai 71, 1216 Cointrin (CH). **BURKI,
Carolina**; C/O Horphag Research, Avenue Louis Casai
71, 1216 Cointrin (CH). **WEICHMANN, Franziska**; C/O
Horphag Research, Avenue Louis Casai 71, 1216 Cointrin
(CH).

(74) Agent: **AWA SWITZERLAND**; Case Postale 2243, 2800

Delémont 2 (CH).

(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, IT, 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.

(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))

(54) Title: PROCYANIDINS FOR THE TREATMENT OF ENDOTHELIAL DYSFUNCTION TRIGGERED BY COVID-19

(57) Abstract: The invention relates to a natural composition for medical purposes and more specifically to a composition comprising procyanidins, for use in the prevention or treatment of endothelial inflammation and/or endothelial systemic dysfunction triggered by Corona virus disease 2019 (COVID-19) including symptomatic post-COVID-19 subjects recovering from COVID-19.



WO 2021/254851 A1