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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
05 October 2023 (05.10.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/187839 A1

(51) International Patent Classification:
A61K 9/00 (2006.01)

(21) International Application Number:
PCT/IN2023/050316

(22) International Filing Date:
30 March 2023 (30.03.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
202241019382 31 March 2022 (31.03.2022) IN

(71) Applicant: **FERTIS INDIA PVT. LTD.** [IN/IN]; 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta -, Hyderabad, Telangana 500082 (IN).

(72) Inventors: **KANUMURU, Rahul Raju**; Fertis India Pvt Ltd, 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana 500082 (IN). **KOCHUMALAYIL, Shaji George**; Fertis India Pvt Ltd, 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana 500082 (IN). **SURANENI, Ravikumar**; Fertis India Pvt Ltd, 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana 500082 (IN). **VANA, Murali Mohanarao**; Fertis India Pvt Ltd, 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana 500082 (IN). **GARUDADHIRI, Prasannakumar Lakshmi**; Fertis India Pvt Ltd, 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, Punjagutta, Hyderabad, Telangana 500082 (IN).

(74) Agent: **P., Aruna Sree**; Gnanlex Associates LLP, 335, 3rd floor, V Mall, Asha, Nagar, Near Saidham, Thakur Complex Kandivali East, Mumbai, Maharashtra 400101 (IN).

(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, 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:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:
— *with international search report (Art. 21(3))*
— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

WO 2023/187839 A1

(54) Title: A NOVEL NUTRACEUTICAL/THERAPEUTICAL COMPOSITION OF CINNAMIC ACID DERIVATIVES WITH SUCROSE ISOMERS

(57) Abstract: The invention discloses Nutraceutical/Therapeutical compositions comprising Cinnamic acid derivatives with sucrose isomers useful as nootropic performance enhancers and also for the pain management. The invention further discloses process for the preparation of the said compositions and methods of use thereof.