

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

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
21 October 2021 (21.10.2021)



(10) International Publication Number  
**WO 2021/210008 A1**

(51) International Patent Classification:  
**A23L 27/10** (2016.01)

(21) International Application Number:  
PCT/IN2021/050202

(22) International Filing Date:  
03 March 2021 (03.03.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
202041016515 16 April 2020 (16.04.2020) IN

(71) Applicant: **ELLA FOODS PRIVATE LIMITED**  
[IN/IN]; Plot No. B-11, Innova Agri Bio Park, KIADB Industrial Area, Phase III, Malur Taluk, Kolar District, Karnataka 563130 (IN).

(72) Inventors: **ELLA, Krishna Murthy**; Ella Foods Private Limited, Plot No. B-11, Innova Agri Bio Park, KIADB Industrial Area, Phase III, Malur Taluk, Kolar District, Karnataka 563130 (IN). **KANKANALLU, Ravi Bhuvanesh**; Ella Foods Private Limited, Plot No. B-11, Innova Agri Bio Park, KIADB Industrial Area, Phase III, Malur Taluk, Kolar District, Karnataka 563130 (IN). **KANKANALLU, Shankaranarayana Ravi**; Ella Foods Private Limited, Plot No. B-11, Innova Agri Bio Park, KIADB Industrial Area, Phase III, Malur Taluk, Kolar District, Karnataka 563130 (IN). **MALLESHAIAH, Narendra Babu**; Ella Foods Private Limited, Plot No. B-11, Innova Agri Bio Park, KIADB Industrial Area, Phase III, Malur Taluk, Kolar District, Karnataka 563130 (IN).

(74) Agent: **HASAN, Afzal et al.**; HASAN AND SINGH, 2nd Floor, Amrita Towers, Plot No. 82, Camelot Layout, Kondapur, Hyderabad 500084 (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, 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:**

- 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))
- of inventorship (Rule 4.17(iv))

**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

(54) Title: METHOD OF FLAVOUR PROTECTION IN HERBS AND SPICES AND PRODUCTS THEREOF

(57) Abstract: The invention relates to method for preparing microbial contamination free spices and food products. More particularly, the invention relates to method for preparing cryogenic grinded and cold pasteurized (gamma irradiated) spices and spice related products which retains essential oils, aroma taste and color of the products and is free of any microbial contamination. Invention also relates to such microbial contamination free food products and spices thereof.



WO 2021/210008 A1