

(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)



(10) International Publication Number
WO 2023/187183 A1

(51) International Patent Classification:

B65D 85/804 (2006.01) *G01D 5/249* (2006.01)
G06K 19/06 (2006.01) *G01D 5/347* (2006.01)
A47J 31/44 (2006.01)

(72) Inventors: **PERENTES, Alexandre**; Chemin de l'Ecole 9, 1036 Sullens (CH). **KAESER, Stefan**; Goldernstrasse 6, 5000 Aarau (CH). **OGGENFUSS, Christian**; Gantrischweg 8, 3250 Lyss (CH).

(21) International Application Number:

PCT/EP2023/058527

(74) Agent: **NAVARRO FERNANDEZ, Maria Isabel**; Av. Nestlé 55, 1800 VEVEY (CH).

(22) International Filing Date:

31 March 2023 (31.03.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22166221.6 31 March 2022 (31.03.2022) EP

(71) Applicant: **SOCIÉTÉ DES PRODUITS NESTLÉ S.A.**
[CH/CH]; Avenue Nestlé 55, 1800 Vevey (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, 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,

(54) Title: CONTAINER FOR USE WITH A MACHINE FOR PREPARING A BEVERAGE AND/OR FOODSTUFF, SYSTEM, USE, AND METHODS OF ENCODING AND READING PREPARATION INFORMATION

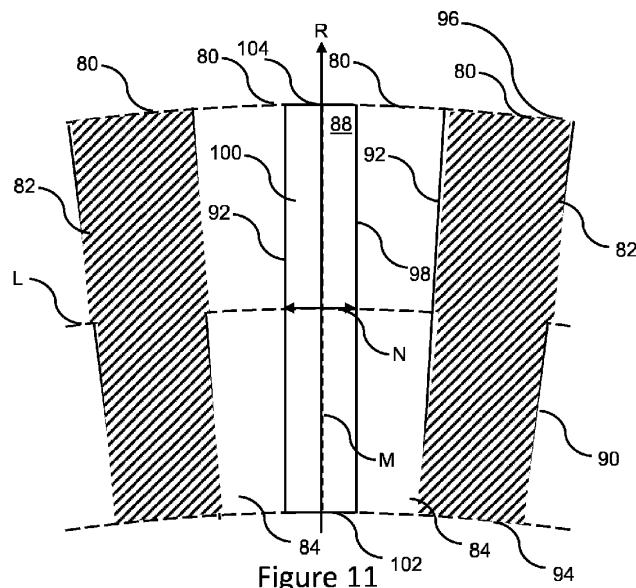


Figure 11

(57) Abstract: A container arranged for containing a precursor material for use with a machine for preparing a beverage and/or foodstuff, the container including a machine-readable code storing preparation information for use with a preparation process performed by said machine, the code comprising a plurality of elements, wherein the elements of the code are arranged circumferentially to be read sequentially when the container is rotated about an axis of rotation relative a code reader, wherein the code is arranged as a plurality of directly adjoining discrete positions and an absence or presence of a primary element at a discrete position encodes the preparation information, wherein boundary elements are arranged at a boundary between two or more adjoining primary elements, and/or at a boundary between two or more adjoining absences of primary elements, and the boundary elements are of different reflective properties



WO 2023/187183 A1

[Continued on next page]

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*

to a primary element or an absence of a primary element.