

**(12) SOLICITUD INTERNACIONAL PUBLICADA EN VIRTUD DEL TRATADO DE COOPERACIÓN
EN MATERIA DE PATENTES (PCT)**

**(19) Organización Mundial de la Propiedad
Intelectual**
Oficina internacional



**(43) Fecha de publicación internacional
30 de Octubre de 2003 (30.10.2003)**

PCT

**(10) Número de Publicación Internacional
WO 03/089856 A1**

(51) Clasificación Internacional de Patentes⁷: F25C 1/20

(21) Número de la solicitud internacional: PCT/ES03/00176

(22) Fecha de presentación internacional:

16 de Abril de 2003 (16.04.2003)

(25) Idioma de presentación: español

(26) Idioma de publicación: español

(30) Datos relativos a la prioridad:

PI200200928 22 de Abril de 2002 (22.04.2002) ES

(71) Solicitante e

(72) Inventor: RODRÍGUEZ SANTOS, Pedro, Pablo
[ES/ES]; Gran Via, 1-C, Bajos, E-30589 Los Ramos (ES).

(74) Mandatario: DURÁN MOYA, Carlos; Còrsega, 329 (Pº de Gracia/Diagonal), E-08037 Barcelona (ES).

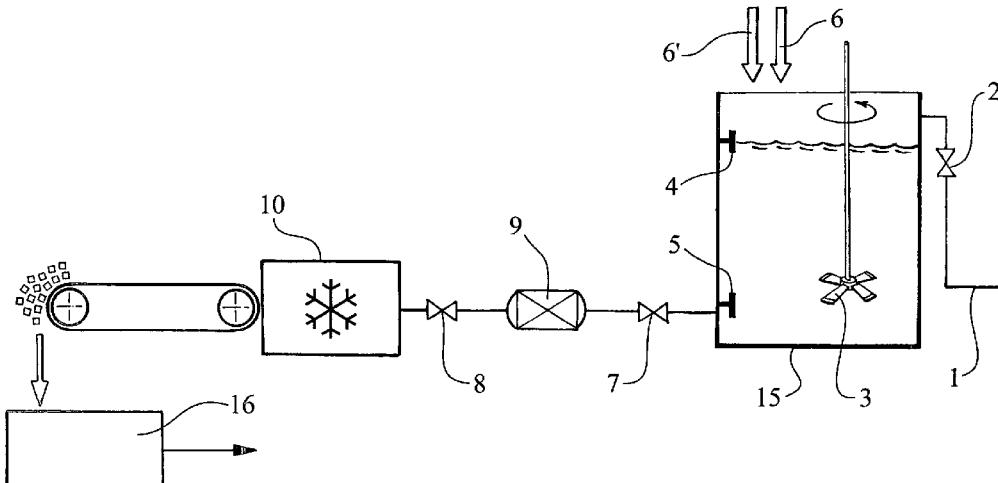
(81) Estados designados (nacional): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Estados designados (regional): patente ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), patente euroasiática (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), patente europea (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continúa en la página siguiente]

(54) Title: FLAVOURED, AROMATIZED ICE CUBES, PRODUCTION METHOD THEREOF AND USE OF SAME

(54) Título: CUBITOS DE HIELO SABORIZADOS-AROMATIZADOS, PROCEDIMIENTO PARA SU FABRICACIÓN Y UTILIZACIÓN DE LOS CUBITOS DE HIELO FABRICADOS



WO 03/089856 A1

(57) Abstract: The invention relates to flavoured, aromatized ice cubes. The inventive cubes are characterised in that they comprise a mass of ice cube that is formed from water which is frozen with flavouring agents (and colouring agents if necessary) in variable proportions, essentially of between 0.01 and 20 wt.- % of the mass of water to be frozen, in order to adjust the flavour (and colour if necessary) of the drink which is cooled by inserting the ice cubes. According to the invention, the flavouring agents (and colouring agents if necessary) are dissolved in the mass of the ice cubes or are incorporated in the cubes in the form of discreet bodies which are soluble in the liquid to be cooled.

(57) Resumen: Los cubitos se caracterizan por comprender una masa de cubito de hielo formado por agua congelada con agentes de sabor (y color si procede) en proporciones variables comprendidas sensiblemente entre 0,01% y 20% en peso de la masa de agua a congelar, para la compensación del sabor (y color si procede) de la bebida enfriada por

[Continúa en la página siguiente]

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES 03700176

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F25C 1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F25C 1/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CIBEPAT, EPODOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5958481 A (WILLIAM S. HODGES) 28.09.1999. The whole document.	1,2,3,4,5,6
X	WO 0017589 A1 (BECLOCHE DOMINGO, M ^a Teresa) 30.03.2000. The whole document.	1-3, 7-10
X	US 6182452 B1 (MONIQUE P. WRIGHT et al.) 06.02.2001. The whole document.	1-6
X	FR 2747888 A1 (SYSTEMS BIO INDUSTRIES SOCIETE ANONYME) 31.10.1997. Claim 1, page 3, line 3-27.	1-3, 5
P, X	GB 2369610 A (BRANDBREW S.A) 05.06.2002. page 5, line 27-30; Claims 5, 6, 7.	1-10
A	GB 1124335 A (GENERAL FOODS CORPORATION) 21.08.1968	

 Further documents are listed in the continuation of Box C. **I** See patent family annex.

* Special categories of cited documents:

- “A” document defining the general state of the art which is not considered to be of particular relevance
- “E” earlier document but published on or after the international filing date
- “L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- “O” document referring to an oral disclosure, use, exhibition or other means
- “P” document published prior to the international filing date but later than the priority date claimed
- “T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- “X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- “Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- “&” document member of the same patent family

Date of the actual completion of the international search

11 JULY 2003 (11.07.03)

Date of mailing of the international search report

18 JULY 2003 (18.07.03)

Name and mailing address of the ISA/

S.P.T.O.

Facsimile No.

Authorized officer

Telephone No.