

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 September 2002 (26.09.2002)

PCT

(10) International Publication Number
WO 02/075226 A1

(51) International Patent Classification⁷: **F24J 2/02**, 2/10

(21) International Application Number: PCT/PT02/00004

(22) International Filing Date: 6 March 2002 (06.03.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102576 9 March 2001 (09.03.2001) PT

(71) Applicant (for all designated States except US): **SUN CO-COMPANHIA DE ENERGIA SOLAR S.A.** [PT/PT]; Rua Augusto Costa, Picassinos, Marinha grande (PT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PEREIRA, Manuel** [PT/PT]; Rua Isaac Rabin, 27 5° Esq., P-1600 Lisboa (PT). **OLIVEIRA, João** [PT/PT]; Rua de Diu, 19, Caxias, P-2780 Paço de Arcos (PT).

(74) Agent: **ARNAUT, José, Luis**; Rua do Patrocínio, 94, P-1399-019 Lisboa (PT).

(81) Designated States (*national*): 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

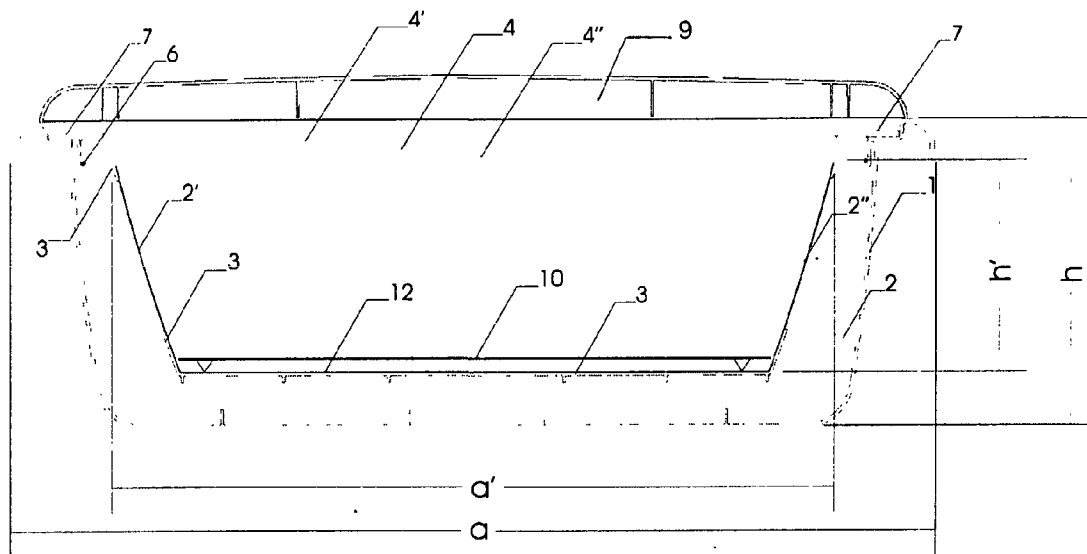
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A SOLAR COOKER CONCENTRATOR OF THE BOX TYPE, USING CPC-TYPE OPTICS



(57) Abstract: Solar cooker of the concentrating type, using Compound Parabolic Concentrator type optics (2, 2') comprising a box (1), inside which all its accessories and cooking utensils can be carried; the box being essentially made of plastic compatible with the production of complicated curves characteristic of the referred optics. The present invention includes a version in which electrical energy is used as backup for days without sunshine. Its application extends to other areas beyond the cooking of foodstuffs, in particular to the pasteurisation of water, milk and other products and its usage as a drying system.



WO 02/075226 A1