



- (51) International Patent Classification:
E04H 4/12 (2006.01) *E04H 4/14* (2006.01)
- (21) International Application Number:
PCT/IB2011/054997
- (22) International Filing Date:
9 November 2011 (09.11.2011)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:
RM2010A000593 10 November 2010 (10.11.2010) IT
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- (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, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) Date of publication of the international search report:
23 August 2012

(54) Title: AIR AND WATER REFRIGERATION STATIC SYSTEM, INHERENTLY RELIABLE, WITH UNLIMITED FUNCTIONING, FOR HEAT REMOVAL FROM PROCESSES, PARTICULARLY FOR SAFETY PURPOSES

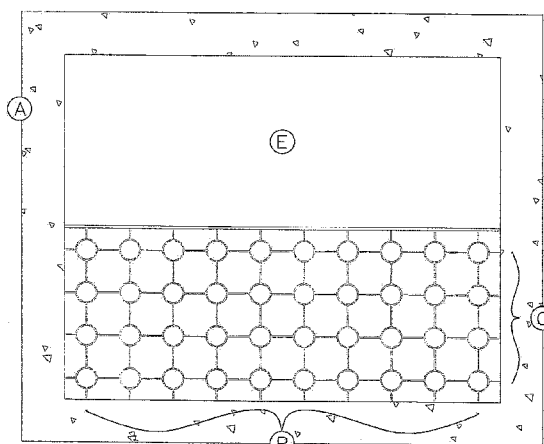


FIG.1

(57) Abstract: Refrigeration apparatus comprising a tank (A), a separating baffle (C) placed into said tank (A) so as to partition the latter into two distinct volumes (D, E) and at least one heat exchanger (B) contained into said volume (D), wherein said separating baffle (C) comprises openings (G) configured so as to set in communication said distinct volumes (D, E). The refrigeration apparatus is aimed to remove the heat produced by a process, being based solely on water vaporization due to heat transfer and liquid circulation due to density gradient.



INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2011/054997

A. CLASSIFICATION OF SUBJECT MATTER
INV. E04H4/12 E04H4/14
ADD.

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)
E04H G21C F28D

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)

EPO-Internal, WPI Data

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Date of the actual completion of the international search

25 June 2012

Date of mailing of the international search report

03/07/2012

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2011/054997

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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