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[Continued on next page]

(54) Title: METHOD OF ADJUSTING TEMPERATURES OF PRODUCTS TO DESIRED PRODUCT TEMPERATURES

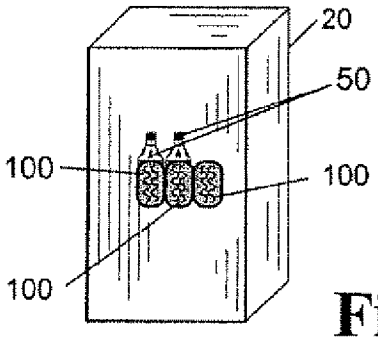


Fig. 1E

(57) Abstract: A method of adjusting temperatures of products to a desired product temperature. The method may include enabling the selection of a product, enabling the selection of the desired product temperature, enabling the placement of the product into a temperature adjust device, circulating a liquid or a gas through the temperature adjust device, the liquid or the gas having been cooled to a cool temperature less than the desired product temperature or heated to a warm temperature greater than the desired product temperature, determining when the desired product temperature has been obtained, and ceasing circulation of the liquid or a gas through the temperature adjust device.

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NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. F25D11/02 F25D17/00 F25D17/06 F25D29/00 F25D31/00
G07F9/10

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)
F25D G07F

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 practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 662 218 A (CONDE HINOJOSA JOSE RAMON [ES]) 31 May 2006 (2006-05-31) paragraph [0001] paragraph [0014] paragraph [0064] paragraph [0121] paragraph [0133] - paragraph [0134] paragraph [0151] paragraph [0157] figures 3,4,10-22 claims 1-3,10,13,20,45	1,11,17, 18
Y	----- -/--	2,13

[X] Further documents are listed in the continuation of Box C.

[X] 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	Date of mailing of the international search report
6 February 2009	15/04/2009

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Fax: (+31–70) 340–3016	Correia dos Reis, I

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/068722

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/101734 A1 (LUCAS PHILIP J [US]) 10 May 2007 (2007-05-10) paragraph [0002] paragraph [0016] paragraph [0023] figures 1-7	2,13
X	WO 97/35155 A (CASSOWARY LTD [IE]; TANGNEY JAMES GERARD [IE]) 25 September 1997 (1997-09-25) page 6, line 20 - page 7, line 6 page 8, line 24 - page 9, line 4 page 12, line 9 - page 13, line 8 page 14, line 7 - page 14, line 15 page 15, line 6 - page 15, line 9 page 16, line 30 - page 17, line 8 page 19, line 27 - page 20, line 26 page 22, line 10 - page 22, line 34 page 25, line 7 - page 25, line 17 page 26, line 5 - page 26, line 29 figures 1-8	1,11,17, 18
X	FR 2 788 677 A (SEB SA [FR]) 28 July 2000 (2000-07-28) page 5, line 14 - page 5, line 19 page 7, line 19 - page 9, line 13 figure 1	1,11,17
X	US 2007/151284 A1 (FREESMEIER JON [US] ET AL) 5 July 2007 (2007-07-05) paragraph [0004] paragraph [0007] paragraph [0010] paragraph [0018] paragraph [0024] paragraph [0026] claim 17 figures 1-4	1,11
X	US 4 368 622 A (BROOKS ROBERT B) 18 January 1983 (1983-01-18) column 1, line 32 - column 1, line 53 column 2, line 64 - column 3, line 6 column 3, line 47 - column 5, line 10 claim 10 figures 1-5	1,11
A	WO 2004/017001 A (DIAGEO IRELAND [IE]; WALKER MARTIN DUNCAN [GB]; PURDY COLIN ROYSON [GB) 26 February 2004 (2004-02-26) the whole document	1,11

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/068722

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/017268 A (DIAGEO IRELAND [IE]; WALKER MARTIN DUNCAN [GB]; PURDY COLIN ROYSON [GB) 26 February 2004 (2004-02-26) the whole document	1,11

Form PCT/ISA/210 (continuation of second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/068722

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see enclosure

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,11,13,17,18

   Method and system for adjusting the temperature of a product, directed at a product storage area.

   ---

2. claims: 1,3,11,12

   Method and system for adjusting the temperature of a product, directed at an agitator.

   ---

3. claims: 1,4,6,11,16

   Method and system for adjusting the temperature of a product, directed at a wireless device.

   ---

4. claims: 1,5,8

   Method for adjusting the temperature of a product, directed at informing the user if the desired temperature has been reached or how much time is still left until it is reached.

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5. claims: 1,7,11,15,19

   Method and system for adjusting the temperature of a product, directed at determining/selecting the desired temperature.

   ---

6. claims: 1,9,11,14

   Method and system for adjusting the temperature of a product, directed at frosting the product package.

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7. claims: 1,10

   Method for adjusting the temperature of a product, directed at control of the temperature device after the product is at desired temperature.

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8. claims: 11,20

   System for adjusting the temperature of a product, directed at a clamp.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2008/068722

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