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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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

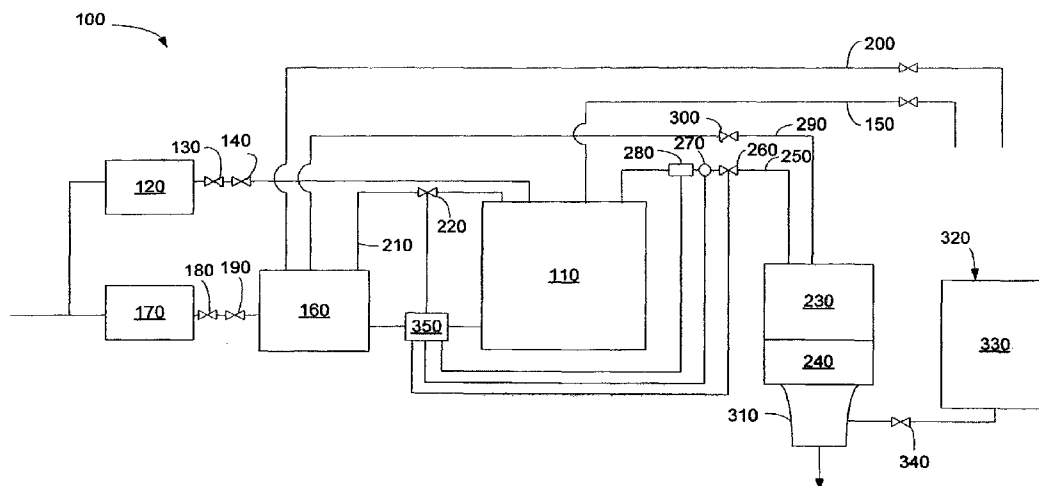
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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(54) Title: CONCENTRATED FRESH BREWED TEA



(57) Abstract: A method of heating an amount of material positioned within a receptacle. The method may include heating a first volume of water to a predetermined temperature, pressurizing a first volume of steam to a predetermined pressure, releasing the first volume of steam towards the first volume of water so as to force the first volume of water into the receptacle, and heating the material within the receptacle.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/076847

A. CLASSIFICATION OF SUBJECT MATTER
INV. A23F3/18

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)

A23F A47J

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, WPI Data, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/041729 A (CAI EDWARD Z [US]) 12 May 2005 (2005-05-12) abstract page 3, paragraph 5 page 4, paragraph 1 page 6, paragraphs 1,2	1-11,20
X	US 5 267 506 A (CAI ZHIHUA [US]) 7 December 1993 (1993-12-07) abstract	1-11,20
X	GB 2 059 753 A (STILL & SONS LTD W M) 29 April 1981 (1981-04-29) page 267 - line 77; claim 1; figure 1 -/--	1-11,20



Further documents are listed in the continuation of Box C.



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

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10/07/2008

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/076847

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Week 200445 Thomson Scientific, London, GB; AN 2004-476812 XP002468669 & NL 1 021 399 C6 (PEZY HOLDING BV) 8 March 2004 (2004-03-08) abstract	1-5,11
A	US 6 405 637 B1 (CAI EDWARD Z [US]) 18 June 2002 (2002-06-18) claim 28	1-11,20
A	WO 03/065859 A (COCA COLA CO [US]) 14 August 2003 (2003-08-14) page 1, line 6 - line 8; claim 1	1-11,20
A	JP 2004 187503 A (UNIMAT OFFISCO CORP) 8 July 2004 (2004-07-08) abstract	1-11,20
A	JP 2004 246616 A (FUJI ELECTRIC RETAIL SYSTEMS) 2 September 2004 (2004-09-02) abstract	1-5,11

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/076847

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 all searchable 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 report covers 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.:

1-11, 20

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: 1-11, 20

A method for heating an amount of material positioned within a receptacle comprising (1) heating a first volume of water to a predetermined temperature, (2) pressurising a first volume of steam to a predetermined pressure, (3) releasing the first volume of steam towards the first volume of water so as to force this water into the receptacle and (4) heating the material within the receptacle.

2. claims: 12-19

A method for brewing tea leaves, comprising (1) heating a volume of water to ca. 93-107 degrees C, (2) forcing the water to the tea leaves at a pressure of up to ca. 5.2 bar and (3) brewing the tea leaves for ca. 10-15 s.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/076847

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2005041729	A	12-05-2005	CA 2543207 A1 CN 1867282 A EP 1686878 A2 US 2005279215 A1	12-05-2005 22-11-2006 09-08-2006 22-12-2005
US 5267506	A	07-12-1993	NONE	
GB 2059753	A	29-04-1981	NONE	
NL 1021399	C6		NONE	
US 6405637	B1	18-06-2002	NONE	
WO 03065859	A	14-08-2003	AT 330521 T AU 2003210798 A1 CA 2474729 A1 DE 60306337 T2 EP 1474021 A2 ES 2264765 T3 JP 2005516602 T MX PA04007329 A US 2003145736 A1 US 2005095158 A1 US 2004255790 A1 ZA 200405980 A	15-07-2006 02-09-2003 14-08-2003 14-06-2007 10-11-2004 16-01-2007 09-06-2005 26-11-2004 07-08-2003 05-05-2005 23-12-2004 22-02-2006
JP 2004187503	A	08-07-2004	JP 3649330 B2	18-05-2005
JP 2004246616	A	02-09-2004	NONE	