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(54) Title: HIGH SPEED BREWING APPARATUS

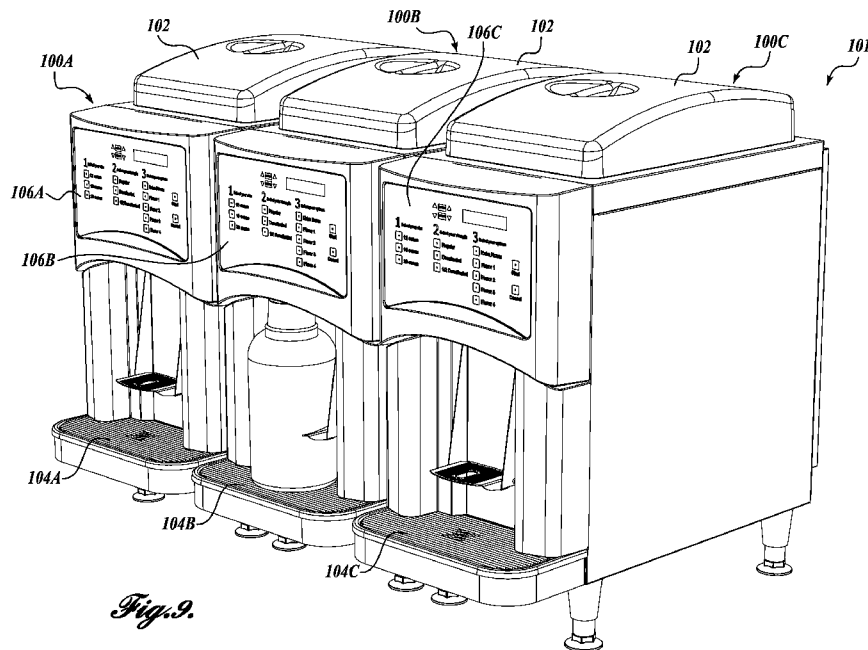
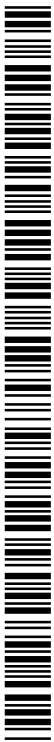


Fig. 9.

(57) Abstract: A multi-brewer apparatus comprises a plurality of brew groups that are configured to be selectively operated either in a ganged mode, wherein plurality of brew groups cooperate to rapidly produce a larger quantity of brewed beverage at a single dispensing location, or in an independent mode wherein the plurality of brew groups operate independently and dispense brewed beverage spaced apart dispensing locations. The apparatus includes a programmable controller that controls the delivery of the hot water and brewable material, and the operation of the brew groups. In an embodiment, an inline sensor array monitors a quality of the brewed beverage and reports to the programmable controller to maintain a consistent quality brewed product.



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A. CLASSIFICATION OF SUBJECT MATTER*A47J 31/52(2006.01)i, A47J 31/40(2006.01)i, A47J 31/42(2006.01)i, A47J 31/36(2006.01)i*

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)

A47J 31/52; A47J 31/20; B67D 1/04; A47J 31/36; A47J 31/40; A47J 31/24

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: brewing chamber, piston, actuator, beverage, controller

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	JP 2008-543458 A (NESTEC S.A.) 04 December 2008 See paragraph [0060]~[0062]; examples 7,8; claim 22	1-20
A	KR 10-0219010 B1 (SINTRA HOLDING AG et al.) 01 September 1999 See abstract; claims 1-10; figures 1,2,4,5	1-20
A	KR 10-2005-0044530 A (M.SCHAERER AG) 12 May 2005 See abstract; claims 1-8; figures 1,2	1-20
A	KR 10-2008-0068664 A (COFFEE EQUIPMENT COMPANY) 23 July 2008 See abstract; claims 1-31; figures 3,4	1-20
A	EP 1867257 A1 (RHEA VENDORS S.P.A.) 19 December 2007 See abstract; claims 1-12; figures 2,3,4	1-20
A	EP 2140788 A1 (RHEA VENDORS S.P.A.) 06 January 2010 See abstract; claims 1-10; figures 2,3,4	1-20
A	US 6634280 B2 (SOWDEN; GEORGE et al.) 21 October 2003 See abstract; figure 2; claim 1	1-20

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

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