

Search history

Search 1: FT=(Brew* and chamber* and valve) (Results 6761)
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Search 5: 4 and heater (Results 345)

Title: DUAL-LOOP COOLING SYSTEM

Abstract: Source: US2012324911A Disclosed are methods and apparatuses for cooling a work piece surface using a dual-loop cooling system. The system includes a vapor-compression loop and a liquid-evaporation loop. The loops are configured to prepare a coolant at or approximately at saturation for delivery into a **chamber** for cooling the surface. A preferred liquid-evaporation loop includes a **chamber**, a phase separator, a liquid pressurizer, and a vapor mixer that heats the coolant to or near its saturation temperature. A preferred vapor-compression loop includes the phase separator, a compressor, a condenser, an expansion **valve**, and a return line. The vapor mixer preferably heats the coolant by mixing liquid coolant with vapor coolant derived from the vapor-compression loop. A two-phase flow detector may be disposed downstream of the vapor mixer and be in communication with a vapor **valve** disposed upstream of the vapor mixer to ensure that an appropriate amount of vapor is fed into the vapor mixer to induce evaporation. Methods include cooling a surface by cycling a coolant through the liquid-evaporation loop and preparing the coolant at saturation with vapor derived from the vapor-compression loop.

Classifications:

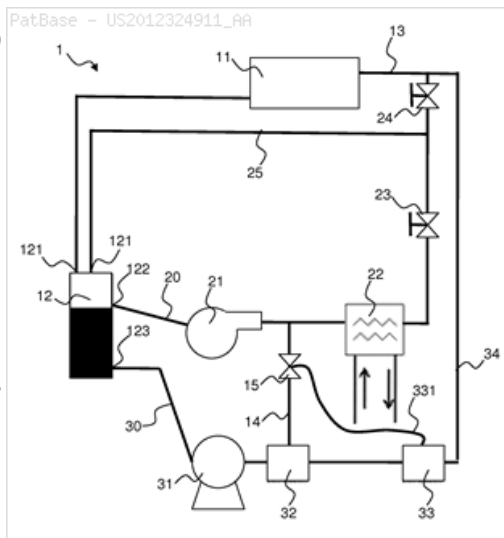
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CPC: H05K7/20254 H01L23/4735 H01L23/427 F28C3/08 G06F2200/201 F28D1/0233 F28F13/185 H01L23/3672 H05K1/0204 H05K7/1485 H05K7/1427 H05K7/20309 F28D15/02 F28F2250/08 F28D15/06 H01L23/473 H01L23/4006 H01L23/4012 H05K7/20363 H05K7/20836 F28F9/0258 F28D9/0093 F28D2021/0028 F28F3/048 F28F13/12 F28F2009/029 H05K7/20272 H05K7/2039 H05K7/20381 H05K7/208 H05K7/20818 H05K7/20772 F28D2021/0029 F28F13/06 H05K7/20809 H05K7/20827 H01L23/46 H01L2924/0002 H05K7/20327 F25B25/00 F25B41/00 F25B41/04 F25B2400/0401 F25B2400/0403 F25B2400/0409 F28D15/0266 F28F1/36 F28F7/00 F28F7/02 F28F9/0221 F28F9/0263 F28F21/06 F28F2265/26 G06F1/20 G06F1/206 Y02B60/1275 F25B23/006 F25B41/003 F28D15/00 F28F3/12 F28F9/26 F28F13/02 H01L2924/00 Y02D10/16

US: 165/100 165/104.19 165/104.21 165/104.22 165/104.25

165/104.27 165/104.28 165/104.29 165/104.31 165/104.32 165/133

165/166 165/175 165/182 165/244 165/84 165/96 257/712 361/679.47 361/699 62/259.2 62/304 62/62

**Family:**

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Priority:

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WO2015US57262	20151024				

Probable Assignee: WISCONSIN ALUMNI RESEARCH FOUNDATION

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Agent(s): BOYARSKI NICHOLAS JAMES MR; HAVERKAMP JENS; NICHOLAS J; BOYARSKI NICHOLAS J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HEATING DEVICE WITH AN INTEGRATED THERMOBLOCK FOR A BEVERAGE PREPARATION MACHINE

Abstract: Source: US2010218684A An in-line heating device for a liquid food or beverage preparation machine in which liquid is circulated through the heating device and then guided into a **brewing chamber**. This heating device includes a thermoblock with a metal mass that incorporates an inlet, an outlet and a heating **chamber** extending therebetween to form a passage for guiding the liquid circulating through the mass, with the mass arranged to accumulate heat and to supply heat to the liquid; and one or more electric components that are rigidly secured onto or into the thermoblock and that are connected to a printed circuit board or a flex-print arranged to control the thermoblock. The electric components are rigidly connected to the printed circuit board or flex-print, in particular via rigid connector pins or blades or rigid plug and socket members.

Classifications:

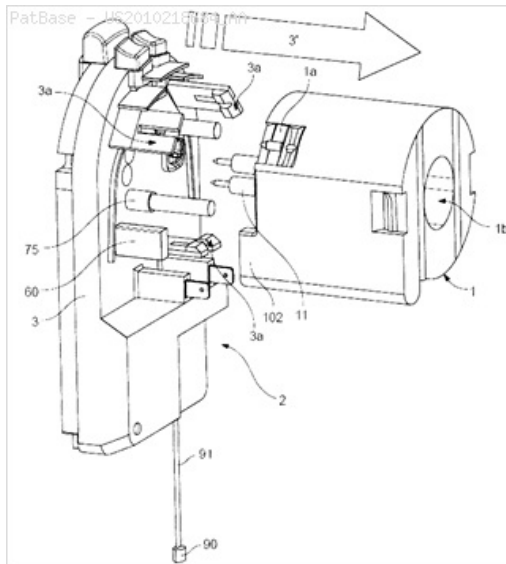
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Assignee(s): NESTEC SA ; NESTEC S A

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Inventor(s): UGAUDENZ ; HODEL ; THOMAS ; SCHWAB ROB ; STEFAN ; SCHWAB ROBIN 8057 ; SETTER ; SCHWAB KOLLER A ; RMOSER ; ROB ; RSCHWAB ; RENZO ; MOSER ; PREISIG PETER 9100 ; PMOERI ; PMORI ; PMOSER ; PPREISIG ; PREISIG ; PETER ; PETER M RI ; MOSER RENZO GUEMMENEN ; MORI ; LEO BUHLER ; MOERI PETER 3272 ; KOLLEP ALEXANDER ; KOLLEP ALEXANDRE 1095 ; KOLLEP ; KHODEL' TOMAS ; HODEL THOMAS 6332 ; AMORI ; GAUDENZ URS 8620 ; GAVILLE ZHIL' ; GAVILLET ; GAVILLET GILES ; GAVILLET GILLES 1670 ; GGAVILET ; GGAVILLET ; GILES ; GILLES ; HODEL ; ETTER ; ETTER STEFAN 3122 ; AKOLLEP ; ALEXANDER ; ALEXANDRE

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BREWING DEVICE FOR PREPARING A FOOD PRODUCT

Abstract: Source: US2013142931A The **brewing** device comprises: a frame (11) whereon an insertion area (21) for a capsule (C) towards a **brewing** position (P) is defined, a **brewing chamber** (13, 1) defined by a first **chamber** portion (13) and a second **chamber** portion (14), slidably arranged in a sliding area (12) defined by said frame (11), said **chamber** portions (13, 14) being sliding both one with respect to the other and with respect to said frame (11) between a closed position and an open position and vice versa, ducts (14B, 13B), respectively for supplying a **brewing** fluid in the **chamber** (13, 14) and for outletting the **brewed** product from the **chamber** itself, a pair of opposed guiding **channels** (19) for inserting from the top the capsule (C) in the fixed **brewing** position (P) with respect to said frame (11), at least one member (20) for supporting the capsule (C) in said **brewing** position (P).

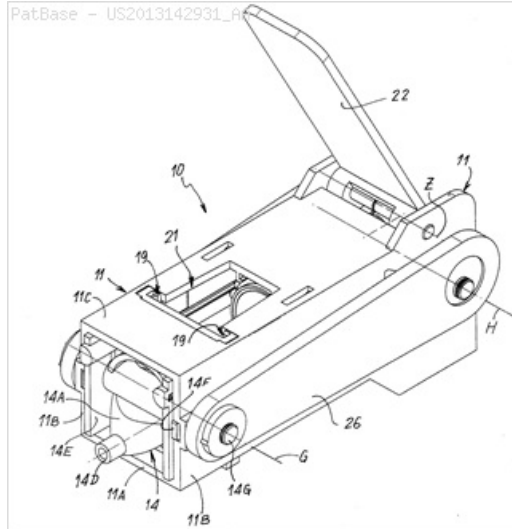
Classifications:

International (IPC 8-9): A47J31/06 A47J31/20 A47J31/34 A47J31/36 A47J31/40 A47J31/44 B65D85/804 (Advanced/Invention)

CPC: A47J31/4492 A47J31/407 B65D85/8043 A47J31/3676 A47J31/368 A47J31/3623 A47J31/3633 A47J31/3638

European: A47J31/36A4 A47J31/36A4D A47J31/36A4F A47J31/44H B65D85/804B

US: 426/115 426/231 426/433 99/281 99/282 99/283 99/295



Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): (std): FAVERO ANDREA ; FIN GIUSEPPE ; KONINKL PHILIPS ELECTRONICS NV ; KAMERBEEK RALF ; FIN GUISEPPE ; KOELING HENDRIK CORNELIS ; KONINK DOUWE EGBERTS B V ; KONINK DOUWE EGBERTS BV ; KONINKL DOUWE EGBERTS BV ; KONINKL PHILIPS NV ; KONINKLEJKE DAUVE EGBERTS BV ; BERTO GIOVANNI ; DOUWE EGBERTS BV ; TSANG KA CHEUNG ; VAN LOON POST ANGENITA DOROTHEA ; SARA LEE DE B V ; KONINKLEJKE FILIPS ELEKTRONIKS N V ; KONINKLEJKE FILIPS ELEKTRONIKS NV ; SARA LEE DE BV ; ROYAL DUTCH PHILIPS ELECTRONICS LTD ; PHILIPS KONINKLL NV ; KONINL PHILIPS ELECTRONICS NV

Assignee(s): PHILIPS ELECTRONICS N V KONINKLL ; PHILIPS ELECTRNICS N V KONINKLL ; PHILIPS ELECTRONICS KONINKLL ; PHILIPS ELECTRONICS NV KONINKLL ; PHILIPS ELECTRONICS KONINKLL NV ; KONINKLIJKE DOUWE EGBERTS B V ; KONINKLIJKE PHILIPS ELECTRONICS N V ; DOUWE EGBERTS BV KONINKLL ; DOUWE EGBERTS KONINKLL BV ; KONINKLEJKE FILIPS EHLEKTRONIKS NV

Inventor(s): (std): KA CHEUNG TSANG ; KAMERBEECK RALF ; KAMERBEEK RALF ; KAMERBEK RALF ; KOELING HENDRIK CORNELIS ; KULING KHENDRIK KORNELIS ; LOON POST ANGELICA DOROTHEA VAN ; LOON POST ANGELITA DOROTHEA VAN ; LOON POST ANGENITA DOROTHEA VAN ; POST VAN LOON ANGENITA DOROTHEA ; RALF KAMERBEEK ; TSANG KA CHENG ; TSANG KA CHEUNG ; VAN LON POST ANGENITA DOROTEJA ; VAN LOON POST ANGENITA DOROTHEA ; ZENG JIACHANG ; ANGENITA DOROTHEA VAN LOON POST ; BERTO DZHOVANNI ; BERTO GIOVANNI ; FAEVRO ANDREA ; FAVERO ANDREA ; FIN DZHUZEPPE ; FIN GIUSEPPE ; FIN GUISEPPE ; ANDREA FAVERO ; GUISEPPE FIN ; HENDRIK CORNELIS KOELING

Inventor(s): KA CHENG TSANG ; ANGELICA DOROTHEA VAN LOON POST ; ANGELITA DOROTHEA VAN LOON POST ; ANDREA FAEVRO ; GIOVANNI BERTO ; GIUSEPPE FIN

Agent(s): FB RICE; FB RICE PTY LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; GOUDREAU GAGE DUBUC; JANSEN CORNELIS MARINUS; VO; COOPS PETER; LAZCANO JESUS; DURAN LUIS ALFONSO; ISERN JORGE; MATSUI MITSUO; FOLEY AND LARDNER LLP; JANSEN C M; COOPS PETER ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BREWED BEVERAGE APPLIANCE AND METHOD

Abstract: Source: US2012121764A A brewed beverage appliance uses a specialized pre-packaged beverage container and a related method of brewing a beverage. The container comprises a cup-shaped base having openings at the bottom. A plurality of roasted, whole coffee beans are contained therein. The appliance has a blade that punctures the cup and then grinds the beans while they are still in the cup. Heated water is delivered to the cup and passes through the ground coffee causing brewed coffee to emit from the openings in the bottom of the cup and into a container such as a coffee mug.

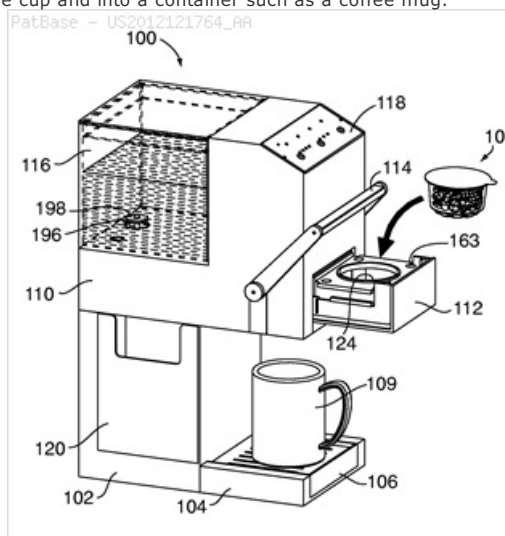
Classifications:

International (IPC 8-9): A23F5/00 A23F5/08 A23F5/26 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/46 A47J31/54 A47J31/58 A47J31/60 B01D27/04 B01D27/08 B65B29/02 B65D77/30 B65D81/34 B65D85/50 B65D85/804 B65D85/808 B65D85/816 (Advanced/Invention); A23F5/00 A47J31/057 A47J31/36 A47J42/00 B65D77/30 B65D85/50 (Advanced/Non-invention); A47J (Subclass/Invention)

CPC: A47J31/605 A47J31/0573 A47J42/00 B65D85/8043 A47J31/0689 A47J31/3623 A47J31/24 A47J31/58 A47J31/42 A47J31/46

European: A47J31/36A4 A47J31/42

US: 1/1 210/455 210/455S 210/484 210/484S 426/231 426/231P 426/431 426/431S 426/433 426/433P 426/433S 426/77 426/77P 426/77S 426/78 426/78P 99/279 99/281 99/281S 99/283 99/283S 99/286 99/286S 99/289R 99/295 99/295S 99/302R 99/307



Family:

Publication number	Publication date	Application number	Application date
AU2012309084 AA	20130321	AU20120309084	20120627
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Priority:

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Probable Assignee: CONAIR CORP

Assignee(s): (std): CONAIR ; LAI KIN MAN ; FUNG KAM FAI ; ORENT JILL FRANCES KREUTZER ; SCHNABEL BARBARA LYNN

Assignee(s): KREUTZER ORENT JILL FRANCES ; SCHANBEL BARBARA LYNN ; CONAIR CORP ; CONAIR CORP STAMFORD ; CONAIR CORPONE CUMMINGS POINT ROADSTANFORDCT06902US ; CONAIR STAMFORD CORP

Inventor(s): (std): BARBARA LYNN SCHNABEL ; FENG JINHUI ; FUNG KAM FAI ; FUNG KAMFAI ; JILL FRANCES KREUTZER ORENT ; KAM FAI FUNG ; LAI KINMAN ; LI JIANWEN ; ORENT JILL FRANCES ; ORENT JILL FRANCES KREUTZE ; ORENT JILL FRANCES KREUTZER ; ORENT JILL FRANCES KREUTZER JFK ; KIN MAN LAI ; KREUTZER ORENT JILL FRANCES ; KREUTZER ORENT JILL FRANCES JF ; SCHANBEL BARBARA LYNN ; SCHNABEL BARBARA ; SCHNABEL BARBARA LYNN ; SCHNABEL BARBARA LYNN BL ; LAI KIM MAN ; LAI KIN MAN

Inventor(s): LAI KIN MANCN ; SCHNABEL BARBARA LYNN CHAPPAQUA ; SCHNABEL BARBARA LYNNUS ; KREUTZER ORENT JILL FRANCES WESTPORT ; ORENT JILL FRANCES KREUTZER WESTPORT ; ORENT JILL FRANCES KREUTZERUS ; KIM MAN LAI ; FUNG KAM FAICN

Agent(s): SPRUSON AND FERGUSON; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; SIM KELTIE R; AIRD AND MCBURNEY LP; CARLOS R OLARTE GARCIA; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; PONS ANGEL; YAMASAKI YUKUZO; AKAMATSU TOSHIAKI; PINAR ARIKAN; MCCORMICK PAULDING AND HUBER LLP; GROGAN TUCCILLO AND VANDERLEEDEN LLP; TUCCILLO NICHOLAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BREWING UNIT WITH HORIZONTAL MOTION

Abstract: Source: US2013239820A The brewing unit comprises: a brewing chamber (13,16) with a first brewing chamber portion (13) and a second brewing chamber portion (16), mobile one with respect to the other to open and close the brewing chamber; a channel (81) for inserting said capsules (C) towards said brewing chamber; a mobile deviator (63) interposing between said first brewing chamber portion (13) and said second brewing chamber portion (16) to deviate said capsules (C) towards the inside of one of said first and second brewing chamber portions (13, 16) of.

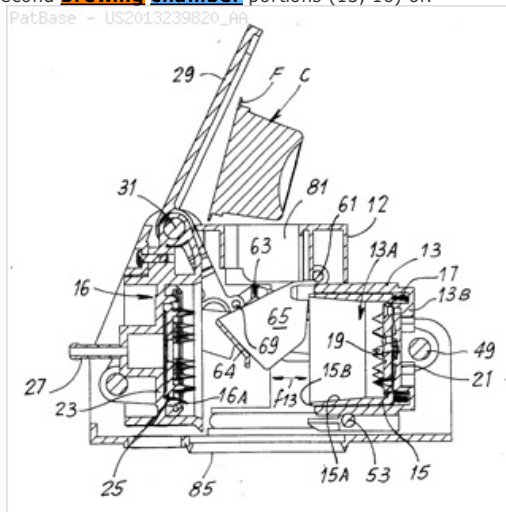
Classifications:

International (IPC 8-9): A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/54 A47J31/60 (Advanced/Invention)

CPC: A47J31/3676 A47J31/542 A47J31/407 A47J31/36 A47J31/54 A47J31/60 A47J31/3633 A47J31/3638 A47J31/369

European: A47J31/36A4D A47J31/36B4D K47J31/36A4F

US: 99/295 99/300



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: PHILIPS ELECTRONICS KONINKLL NV

Assignee(s): (std): BALDO MASSIMO ; KONINKL PHILIPS ELECTRONICS NV ; KONINKL PHILIPS NV ; KONINKLEJKE FILIPS N V ; KONINKLEJKE FILIPS NV ; SANTINI MARCO ; ROYAL DUTCH PHILIPS ELECTRONICS LTD ; PHILIPS KONINKLL NV

Assignee(s): PHILIPS ELECTRONICS N V KONINKLL ; PHILIPS N V KONINKLL ; KONINKLIJKE PHILIPS ELECTRONICS N V ; KONINKLIJKE PHILIPS ELECTRONICS N.V. ; PHILIPS ELECTRONICS KONINKLL NV ; KONINKLEJKE FILIPS EHELEKTRONIKS NV

Inventor(s): (std): BALDO MASSIMO ; MARCO SANTINI ; MASSIMO BALDO ; SANTINI MARCO ; SANTINI MARKO

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT

MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM
SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: EXPANDING A TUBULAR MEMBER

Abstract: Source: US2004244968A A tubular member is expanded by pressurizing an interior region within the tubular member.

Classifications:

International (IPC 8-9): A47B43/00 A47B61/00 A47B96/20 B21D26/02 B21D39/00 B21D39/04 B21D39/08 B23P17/00 E03F3/06 E21B17/00 E21B17/042 E21B17/08 E21B19/00 E21B19/16 E21B23/00 E21B23/01 E21B23/02 E21B23/04 E21B23/06 E21B23/08 E21B23/10 E21B29/00 E21B29/10 E21B33/00 E21B33/03 E21B33/04 E21B33/047 E21B33/10 E21B33/14 E21B33/16 E21B43/00 E21B43/08 E21B43/10 E21B43/14 E21B43/30 E21B47/09 E21B7/20 F16B17/00 F16L1/028 F16L15/04 F16L55/163 G02B27/42 G02B5/30 G02F1/13 G02F1/1335 G02F1/13357 G02F1/1343 G03B21/00 H04N9/31 (Advanced/Invention);

E21B43/10 G02F1/1335 (Advanced/Non-invention); B21D26/00 B21D39/00 B21D39/04 B21D39/08 B23P17/00 E21B17/00 E21B17/02 E21B19/00 E21B23/00 E21B29/00 E21B33/00 E21B33/03 E21B33/10 E21B33/13 E21B43/00 E21B43/02 F16B17/00 F16L55/162 G02B27/42 G02B5/30 G02F1/13 G03B21/00 H04N9/31 (Core/Invention);

E21B43/02 (Core/Non-invention)

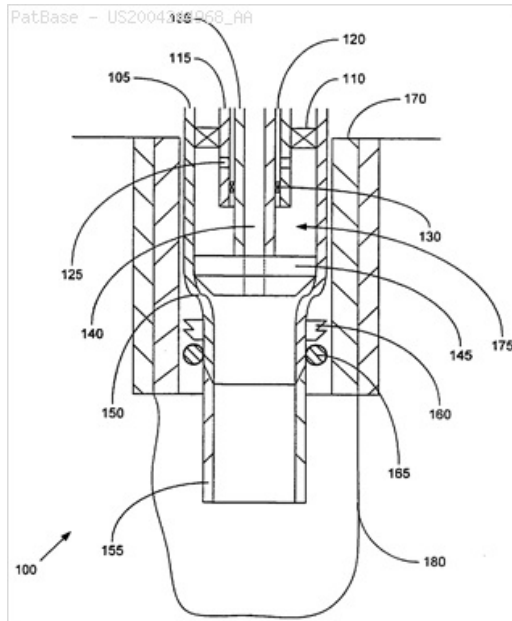
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CPC: E21B19/16 E21B23/08 E21B34/02 E21B2034/002 B21D39/08

E21B33/16 E21B43/00 E21B43/08 E21B43/108 E21B17/0423 F16L15/003 Y10T29/49428 Y10T29/49911 Y10T29/53065 Y10T29/49938 B21D39/203 E21B7/20 B21D39/20 A47B43/00 A47B61/00 A47B96/202 E21B7/208 E21B17/042 E21B23/04 E21B33/03 E21B33/04 E21B33/047 E21B33/10 E21B43/084 E21B43/103 E21B43/14 E21B43/305 Y10T137/0447 H04N9/3108 H04N9/3167 G02F1/133621 E21B43/10 B21D39/04 F16B17/004 E21B17/08 E21B23/01 E21B29/10 E21B33/14 E21B36/04 E21B43/105 E21B43/106

European: A47B43/00 A47B61/00 A47B96/20B B21D39/04 B21D39/08 B21D39/20 B21D39/20B E21B17/042 E21B17/042B E21B17/08 E21B19/16 E21B23/01 E21B23/04 E21B29/10 E21B33/03 E21B33/04 E21B33/047 E21B33/10 E21B33/14 E21B33/16 E21B34/02 E21B36/04 E21B43/00 E21B43/08R E21B43/08S E21B43/10F E21B43/10F1 E21B43/10F2 E21B43/10F3 E21B43/14 E21B43/30B E21B7/20 E21B7/20M F16B17/00B2 F16L15/00B4 F16L15/00F4 F16L55/163 G02F1/1336Q H04N9/31A1S H04N9/31R5P H04N9/31V P21B17/042 P21B34/00B

US: 138/98P 166/195 166/206 166/206S 166/207 166/207S 166/208 166/208S 166/212 166/216 166/217 166/217S 166/242.1 166/242.100S 166/242.6 166/242.600P 166/250.010P 166/277 166/297 166/378P 166/379P 166/380 166/380S 166/382 166/382S 166/384 166/384S 166/387 166/387S 166/55 166/55S 166/75.140P 166/97.500S 285/258 285/382 285/382.4 29/507 29/522.1 29/522.100S 29/715 348/E09.027 348/E9.027 349/104 349/146 349/201 349/5 349/9 349/95 353/38 405/150.100S 72/58

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: ENVENTURE GLOBAL TECHNOLOGY INC

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Inventor(s): (std): ALAN B DUELL ; ANDREI GREGORY FILIPPOV ; ARITAKE TAKAKAZU ; BRISCO DAVID PAUL ; COOK ROBERT LANCE ; DAVID PAUL BRISCO ; FILIPPOV ANDREI ; FILIPPOV ANDREI GREGORY ; GOTO TAKESHI ; GRANT THOMAS PATRICK III ; HAMADA TETSUYA AND ; LEV RING ; R BRUCE STEWART ; RICHARD CARL HAUT ; RING LEV ; ROBERT D MACK ; ROBERT LANCE COOK ; KENDZIORA LARRY ; WYANT REECE E ; YOSHIOKA HIROSHI ; ZWALD EDWIN ARNOLD JR ; ZWALD JR EDWIN ARNOLD ; ZWALD EDWIN ARNOLD ; STEWART R BRUCE ; STEWART R B ; STEWART BRUCE R ; MACK ROBERT DONALD ; MACK ROBERT D ; COOK ROBERT L ; BRISCO DAVID P ; ZWALD EDWIN A ; YOSHIOKA KOZI ; YOSHIOKA KOJI ; YAMAKUCHI HISASHI ; YAMAGUCHI HISASHI ; TOMITA JUNJI ; TAKAHARA KAZUHIRO ; SUZUKI TOSHIHIRO ; SUZUKI DOSHIHIRO ; SUGAWARA MARI ; KOTO DAKESHI ; KOBAYASHI TETUYA ; KOBAYASHI TETSUYA ; IIGAHAMA YUKIO ; HUKUHARA MOTOHIKO ; HAYASHI KEIJI ; HAYASHI KEICHI ; HAMADA TETSUYA ; HAUT RICHARD CARL ; HAUT RICHARD C ; GRANT THOMAS PATRICK ; GRANT III THOMAS PATRICK ; GRANT THOMAS P III ; GOTOH TAKESHI ; FUKUHARA MOTOHIKO ; DUEL ALAN B ; DOMITA JUNZI ; DUELL ALAN B ; DAKAHARA KAZUHIRO ; BULLOCK MICHAEL D ; ARITAKE HIROKAZU ; NAHM JAMES JANG WOO ; FILIPPOV ANDREI G ; DUELL ALAN ; BULLOCK MICHAEL ; BRISCO DAVID P AUL

Inventor(s): ALAN DUELL ; DAVID P AUL BRISCO ; MICHAEL BULLOCK ; BRUCE R STEWART ; DUEL ALAN ; DAVID P BRISCO ; GRANT ; GRANT THOMAS PIII ; STEWART R ; ROBERT DONALD MACK ; JR EDWIN ARNOLD ; III THOMAS PATRICK ; ZWALD ; BULLOCK MICHAEL DENNIS ; ANDREI FILIPPOV ; ZWALD EDWIN ; LARRY KENDZIORA ; STEWART R BRUCENL ; THOMAS PATRICK GRANT III ; RING LEVUS ; MACK ROBERT ; MACK ROBERT DONALDUS ; MACK ROBERT DUS ; HAUT RICHARD ; HAUT RICHARD CARLUS ; GRANT THOMAS ; FILIPPOV ANDREI GUS ; DUELL ALAN BUS ; EDWIN ARNOLD ZWALD JR ; COOK ROBERT LANCEUS ; BRISCO DAVID PAULUS ; BRISCO DAVID PUS ; COOK ROBERT ; BRISCO DAVID

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GRIFFITH HACK; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KIRBY EADES GALE BAKER; NISHIYAMA MASAYA; ISHIDA TAKASHI; HIGUCHI SOTOJI; HAYNES AND BOONE LLP; KING AND SPALDING LLP; TODD; MATTINGLY TODD; CONLEY ROSE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: HOT BEVERAGE BREWING SYSTEM AND USE THEREOF

Abstract: Source: US2012219686A In described embodiments, a hot liquid extraction system includes a vessel, a controllable steam and water source external from the vessel which heats the liquid of the corresponding vessel, a filter assembly disposed within the vessel operable to filter and remove a solid from the brewed beverage, and a valve to dispense the filtered beverage from the base of the brew vessel. Some embodiments include one or more valves operable to regulate water flow and steam into the brewing vessel, and a filter operable to separate a brewed liquid from a flavor base and to remove a spent flavor base from the system. Some embodiments include processor control of the system, allowing for operation tailored to individual user requirements that might be downloaded to the processor through various wired and non-wired interfaces.

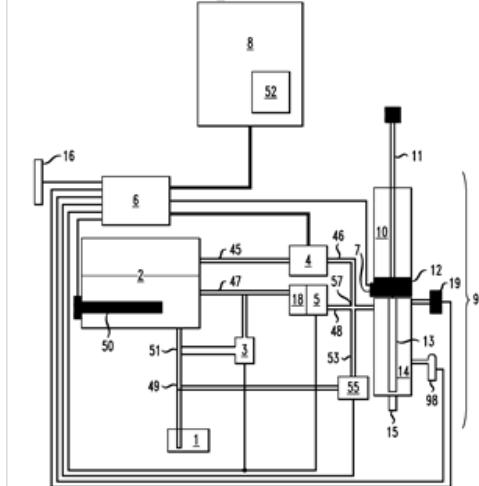
Classifications:

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CPC: A47J31/46 A47J31/54 A47J31/30 A23F3/18 A23F5/262 A47J31/20 A47J31/24 A47J31/053 A47J31/043

US: 1/1 426/231 426/431 426/431P 99/287 99/292 99/293 99/294 99/294S 99/297 99/300 99/300S

PatBase - US2012219686 AA



Family:

Publication number	Publication date	Application number	Application date
CA2833784 AA	20131021	CA20122833784	20120224
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Priority:

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Probable Assignee: ALPHA DOMINCHE HOLDINGS INC

Assignee(s): (std): ALPHA DOMINCHE HOLDINGS INC ; ALPHA DOMINCHE LTD ; ALPHA DOMINCHE LTD ; ALPHA DOMINCHE LTD ; BOMBECK CHRISTIAN ; LOEB SHOSHANA ; DODGE CASEY ; SALOMON ELI ; SMITH CASEY ; TILTON TYMER VON ; TILTON TYMER ; MANGOLD ADAM

Inventor(s): (std): BOMBECK CHRISTIAN ; DODGE CASEY ; LOEB SHOSHANA ; MANGOLD ADAM ; SALOMON ELI ; SMITH CASEY ; TILTON TYMER ; TILTON TYMER VON

Agent(s): OSLER HOSKIN AND HARCOURT LLP; WILLIAMS DAVID JOHN; MATTHEW D; PHILIPS RYTHUR AND WINCHESTER; PHILLIPS RYTHUR AND WINCHESTER

Designated states: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: LIQUID HEATING DEVICES

Abstract: Source: US2011033176A An apparatus for heating a measured amount of water comprises a heating **chamber**, a dispensing **chamber** and a conduit for conveying water from the heating **chamber** to an inlet of the dispensing **chamber**. The apparatus is arranged such that an increase in pressure associated with boiling forces heated water into the conduit and then into the dispensing **chamber**.

Classifications:

International (IPC 8-9): A47G19/14 A47J27/21 A47J31/44 A47J31/46 A47J31/54 A47J31/56 (Advanced/Invention); A47G19/14 A47J27/21 A47J31/46 A47J31/54 (Advanced/Non-invention);

A47J27/21 (Core/Invention);

A47J (Subclass/Invention)

International (IPC 1-7): A47J27/21

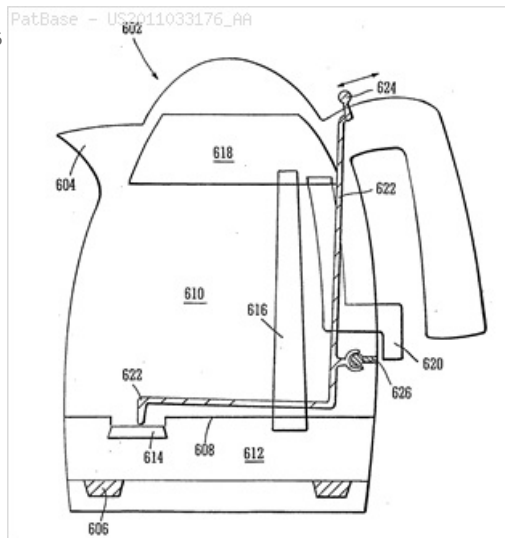
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A47J27/21008 A47J31/54 A47J36/2483

European: A47J27/21B A47J27/21B5 A47J27/21C A47J27/21C3

A47J31/46S2

US: 219/440 219/441 219/441S 392/444 392/444P

**Family:**

Publication number	Publication date	Application number	Application date
AT544379 E	20120215	AT20080863825T	20081223
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AU2008339618 BB	20131010	AU20080339618	20081223
AU2009300913 AA	20100415	AU20090300913	20091007
AU2010100784 AD	20100819	AU20100100784	20100722
CA2710302 AA	20090702	CA20082710302	20081223
CA2739748 AA	20100415	CA20092739748	20091007
CN101951818 A	20110119	CN200880127425	20081223
CN101951818 B	20121121	CN200880127425	20081223
CN102176848 A	20110907	CN200980139838	20091007
CN102176848 B	20140416	CN200980139838	20091007
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IN02807DN2011 A	20120608	IN2011DN02807	20110415
IN04805DN2010 A	20120120	IN2010DN04805	20100702
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JP2012505000 T2	20120301	JP20110530549T	20091007
JP5320407 B2	20131023	JP20100540172T	20081223
KR20100120124 A	20101112	KR20107016611	20081223
KR20110083647 A	20110720	KR20117010280	20091007
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US2011033176 AA	20110210	US20080810450	20081223
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WO09081159 A2	20090702	WO2008GB04252	20081223
WO09081159 A3	20090820	WO2008GB04252	20081223
WO10040994 A1	20100415	WO2009GB02378	20091007
ZA201004677 A	20110928	ZA20100004677	20100702

Priority:

AU20080339618	20081223	EP20080863825	20081223	GB20070025236	20071224
GB20080008446	20080509	GB20080015436	20080822	GB20080018303	20081007
WO2008GB04252	20081223	GB20090000424	20090112	GB20090010321	20090615
WO2009GB02378	20091007				

Probable Assignee: STRIX LTD

Assignee(s): (std): COLIN MOUGHTON ; GARVEY VINCENT JOSEPH ; JONATHAN MICHAEL WHITE ; MOUGHTON COLIN ; NICHOL NORMAN ERIC ; STRIX LTD ; NORMAN ERIC NICHOL ; VINCENT JOSEPH GARVEY ; WHITE JONATHAN MICHAEL

Assignee(s): STRIX LTD RONALDSWAY ; STRIX LIMITED

Inventor(s): (std): COLIN MOUGHTON ; ERIC NICHOL NORMAN ; GARVEY VINCENT JOSEPH ; JOSEPH GARVEY VINCENT ; MOUGHTON COLIN ; NICHOL NORMAN ; NICHOL NORMAN ERIC ; GARVEY VINCENT ; WHITE JONATHAN MICHAEL ; MICHAEL WHITE JONATHAN

Inventor(s): JONATHAN MICHAEL WHITE ; WHITE JONATHAN ; NORMAN ERIC NICHOL ; VINCENT JOSEPH GARVEY

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BERESKIN AND PARR LLP SENCRL SRL; DEHNS; SAMUELS ADRIAN JAMES; OSHEA GETZ PC; FRANK B DEHN AND CO

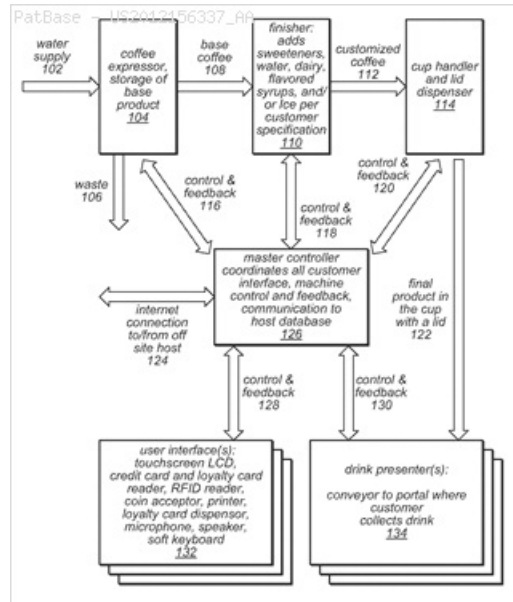
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPARATUS AND METHOD FOR BREWED AND ESPRESSO DRINK GENERATION

Abstract: Source: US2012156337A An apparatus that generates brewed beverages by performing one or more chemical and/or mechanical processes may receive requests to produce specified brewed beverages. The apparatus may include a master controller that initiates and controls performance of the chemical and/or mechanical processes to produce the specified beverages. The master controller may adaptively apply one or more process accelerators during the performance of one of the chemical or mechanical processes to accelerate the process or to achieve a desired qualitative or quantitative characteristic for a beverage or a component thereof. The adaptive application of one or more process accelerators may be dependent on a multiple-variable process profile developed for the process and/or a specified beverage. For example, the pressure in a steam wand and/or the depth of the wand may be varied during a process to froth milk in order to produce frothed milk having a desired temperature.

Classifications:

International (IPC 8-9): A23F3/00 A23F3/18 A23F5/00 A23F5/26 A23L2/38 A47J31/00 A47J31/24 A47J31/32 A47J31/40 A47J31/42 A47J31/44 A47J31/50 A47J31/52 A47J31/56 A47J31/60 B67D1/07 G05B15/00 G05B19/00 G05B21/00 G06F17/00 G06Q20/00 G07F13/00 G07F13/06 G07F7/02 G07F9/00 (Advanced/Invention)
CPC: A23F5/26 A23F3/18 A47J31/52 Y10T436/12 A47J31/4403 A47J31/44 G07F13/065
US: 422/62 426/231 426/231P 426/278 426/425 426/431 426/431P 426/433 426/433P 426/435 426/435S 436/55 700/231 700/239 700/266 700/28 700/29 700/30 700/31 700/32 702/22 702/31 702/32 705/16 99/275 99/280 99/280S 99/281 99/281S 99/282 99/282S 99/299 99/325 99/337 99/468 99/486 99/611 99/632

**Family:**

Publication number	Publication date	Application number	Application date
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CN103596473 B	20170517	CN201180067123	20111216
CN107369254 A	20171121	CN201710263857	20111216
EP2651270 A2	20131023	EP20110848497	20111216
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KR20140020848 A	20140219	KR20137018571	20111216
US2012156337 AA	20120621	US20110328578	20111216
US2012156339 AA	20120621	US20120359058	20120126
US2012156343 AA	20120621	US20110328571	20111216
US2012156344 AA	20120621	US20120359063	20120126
US2015164264 AA	20150618	US20150629586	20150224
US2017215631 AA	20170803	US20170406263	20170113
US8515574 BB	20130820	US20120359063	20120126
US8688277 BB	20140401	US20120359058	20120126
US8996178 BB	20150331	US20110328571	20111216
US9545170 BB	20170117	US20150629586	20150224
WO12083194 A2	20120621	WO2011US65543	20111216
WO12083194 A3	20121108	WO2011US65543	20111216

Priority:

CN201180067123	20111216	EP20110848497	20111216	US20100423593P	20101216
US20110328578	20111216	US20110328571	20111216	JP20130544834T	20111216
US20120359063	20120126	US20120359058	20120126	WO2011US65543	20111216
US20150629586	20150224	US20170406263	20170113		

Probable Assignee: BRIGGO INC**Assignee(s):** (std): BRIGGO INC ; BRIGGO LLC ; HASSOUN MARWAN M ; NATER J KEVIN ; STUDOR CHARLES F**Inventor(s):** (std): HASSOUN MARWAN M ; NATER J KEVIN ; STUDOR CHARLES F ; MARWAN M HASSOUN ; KEVIN J NATER ; CHARLES F STUDOR ; HASSOUN MARWAN**Agent(s):** YEADON MARK; YEADON IP LTD; FUKAMI PATENT OFFICE PC; REISING ETHINGTON PC; KOWERT ROBERT C**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD AND APPARATUS FOR THE PRODUCTION OF ENERGY

Abstract: Source: US2006053791A The invention provides processes and apparatuses for safely, rapidly, cost-effectively and efficiently producing a superheated steam product or dry saturated steam product that can be employed to generate electrical power, or in other manufacturing and/or non-manufacturing processes, in an environmentally clean manner without causing corrosion to electrical power-generating devices. These processes and apparatuses involve the combustion of one or more fuels containing the elements hydrogen and/or carbon, which can be derived from waste materials, such as the rubber from scrap tires. Water that circulates around one or more combustion **chambers** and/or areas, but that does not enter into the combustion **chambers** or areas, becomes converted into a high purity steam product The present invention also provides processes and apparatuses for recycling or eliminating waste materials, and for transforming hazardous materials into non-hazardous materials, and fuels that can be employed in the foregoing processes and apparatuses.

Classifications:**International (IPC 8-9):** F01K1/00 F01K13/00 F02G3/00 F23C1/10

F23C6/04 F23C99/00 F23G5/00 F23G5/027 F23G5/16 F23G7/00

F23G7/12 F23L7/00 F23M5/08 (Advanced/Invention);

F01K13/00 F23C1/00 F23C99/00 F23G5/00 F23G5/027 F23G5/16

F23G7/00 F23G7/12 F23L7/00 F23M5/00 (Core/Invention)

International (IPC 1-7): F01K F23M5/08**CPC:** F23G2900/7011 F23G7/003 F23G5/006 F23G5/027 F23G5/16

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F23G2209/28 F23L7/00 F23L2900/07004 F23L2900/07005 F23M5/08

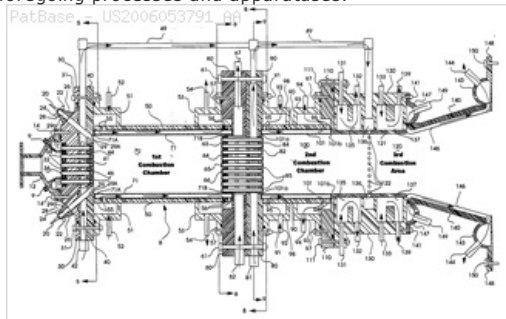
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F23L7/00 F23M5/08 R23G202/101 R23G202/103 R23G206/203

R23G209/20 R23G209/28 R23G900/70011 R23L900/07004

R23L900/07005 Y02E20/12 Y02E20/14 Y02E20/34D

US: 60/645 60/645P 60/670 60/772 60/781 606/450**Family:**

Publication number	Publication date	Application number	Application date
AU2004317669 AA	20051006	AU20040317669	20041216
AU2004317669 BB	20100211	AU20040317669	20041216
CA2550396 AA	20060616	CA20042550396	20041216
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EP1711742 A2	20061018	EP20040821620	20041216
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JP2007534912 T2	20071129	JP20060545410T	20041216
JP4966016 B2	20120704	JP20060545410T	20041216
US2006053791 AA	20060316	US20030738422	20031216
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US7028478 BB	20060418	US20030738422	20031216
US8132416 BB	20120313	US20060424561	20060616
WO05093222 A2	20051006	WO2004US42193	20041216
WO05093222 A3	20051117	WO2004US42193	20041216

Priority:EP20040821620 20041216 US20030738422 20031216 US20060424561 20060616
WO2004US42193 20041216**Probable Assignee:** ADVANCED COMBUSTION ENERGY SYSTEMS INC**Assignee(s):** (std): ADVANCED COMB ENERGY SYSTEMS I ; ADVANCED COMB ENERGY SYSTEMS INC ; PRENTICE III JAMES ANDREW ; PRENTICE JAMES A III**Assignee(s):** PRENTICE JAMES A ; ADVANCED COMBUSTION ENERGY SYSTEMS INC ; ADVANCED COMBUSTION ENERGY SYSTEMS INC ROME**Inventor(s):** (std): PRENTICE JAMES A III ; PRENTICE III JAMES ANDREW**Inventor(s):** PRENTICE JAMES ; PRENTICE JAMES A ; PRENTICE JAMES A III ROME ; PRENTICE JAMES AIII ; PRENTICE JAMES ANDREW ; III JAMES ANDREW ; JAMES A III PRENTICE ; PRENTICE ; PRENTICE III JAMES A**Agent(s):** PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; BERESKIN AND PARR; BERESKIN AND PARR LLP SENCRL SRL; INTES DIDIER GERARD ANDRE; SUTHERLAND ASBILL AND BRENNAN LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW