

Diego Gonzalez

Search history

Search (tube or pipe) and heat* and water and resis* and electric* (Results 10966)
1:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) (Results 1947)
2:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and difragm (Results 0)
3:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and diaphragm (Results 153)
4:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and diaphragm and IC=(A47K) (Results 11)
5:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and diaphragm and IC=(A47) (Results 24)
6:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and diaphragm and (terminal or contact) (Results 104)
7:
Search (tube or pipe) and heat* and water and resis* and electric* and (thread* or screw*) and diaphragm and (terminal or contact) and IC=(A47) (Results 14)
8:

Title: Beverage dispenser pump system with pressure control device

Abstract: Source: US4779761A In a post-mix beverage dispenser in which the concentrate is metered (or portioned) by a positive displacement metering pump having check valves, the improvement of a pressure control device for pressurizing the outlet line from the pump to prevent "blow-thru" of pressurized concentrate through the check valves of the pump, whereby the dispenser can be inexpensively used with a pressurized concentrate source. In addition, a post-mix beverage dispensing system including such metering pump and pressure control device and also including a pressurized canister holding pliable 5 + 1 juice concentrate at a temperature below 32ss F., and a heater for heating the concentrate in the concentrate line. 24 Claims, 5 Drawing Sheets

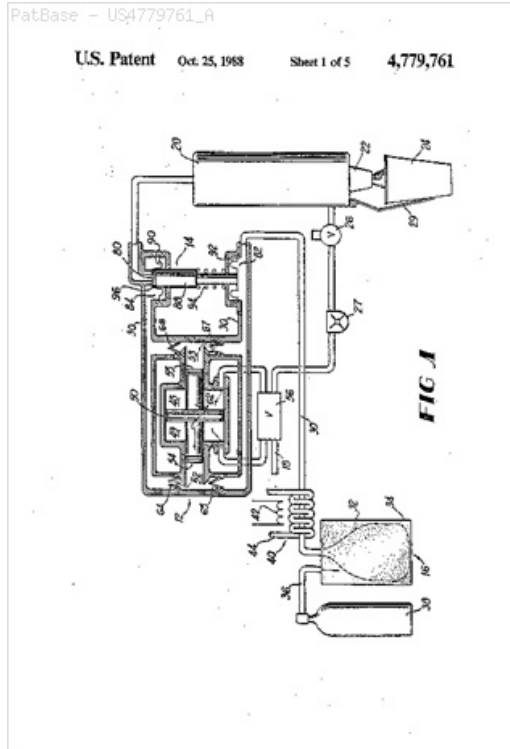
Classifications:

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US: 137/1 137/98 137/99 141/362 222/1 222/105 222/129.1
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222/386.5 222/505 222/527 222/63 222/71 222/95 251/129.07
251/129.08 251/282 366/273 366/336 417/245 62/389 62/399



Family:

Publication number	Publication date	Application number	Application date
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EP0253406 A3	19880323	EP19870110380	19870717

EP0266201 A1	19880504	EP19870309572	19871029
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EP0266223 A1	19880504	EP19870309650	19871030
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US19900528630	19900524	US19910783478	19911028	US19880261876	19881024

Probable Assignee: COCA COLA CO

Assignee(s): (std): THE COCA COLA CO ; COCA COLA CO ; AQUITAINE DE MATERIAUX COMPOSTI ; THE COCA COLA COMPANY

Assignee(s): THE COCA COLA CO ATLANTA GA US ; THE COCA COLA CO ATLANTA US ; AQUITAINE DE MATERIAUX COMPOSITES HAUTES PERFORMAN ; AQUITAINE DE MATERIAUX COMPOSITES HAUTES PERFORMANCES ; COCA COLA CO 310 NORTH AVE ATLANTA GA 30313 A CORP ; COCA COLA CO THE ; COCA COLA COMPANY THE ; COCA COLA CO A CORP OF DE ; COCA COLA CO ONE COCA COLA PLAZA NW ATLANTA GA 303 ; COCA COLA CO 310 NORTH AVENUE ATLANTA GA 30313 A C ; PAISLEY GARY V ; SMAZIK KENNETH G ; KIRSCHNER JONATHAN ; CREDLE WILLIAM S JR ; JAROCKI GEORGE J ; RUDICK ARTHUR G

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Agent(s): PHILLIPS ORMONDE FITZPATRICK; SIM AND MCBURNEY

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Title: GELATINOUS ELASTOMER COMPOSITIONS AND ARTICLES FOR USE AS FISHING BAIT

Abstract: Source: US2002188057A A soft gelatinous elastomer composition and article useful as fishing bait formed from one or a mixture of two or more of a poly(styrene-ethylene-butylene-styrene) block copolymer(s) and one or more plasticizers being in sufficient amounts to achieve a gel rigidity of from about 20 gram Bloom to about 800 gram Bloom

Classifications:

International (ipc 8-9): A01K84/00 A01K85/00 A01K85/01 A01K97/04 A01N15/00 A01N25/00 A23L1/00 A23L1/05 A23L1/317 A23L1/325 A23L13/60 A23L17/00 A23L29/20 A46B1/00 A46B9/04 A47C17/00 A47C27/00 A47C7/00 A61B18/20 A61B19/00 A61C15/00 A61C15/04 A61F2/06 A61F2/78 A61F2/80 A61F9/007 A61F9/008 A61K31/70 A61K47/00 A61M5/00 A61M5/158 A63H1/32 A63H27/18 A63H33/18 B01D61/38 B21D26/02 B21D26/055 B29C67/20 B32B27/00 B32B27/22 B32B27/30 B60K28/00 B60K3/00 B60R21/16 B60R21/26 B60R22/00 B61C15/00 B63B11/04 B63B9/08 B68G11/04 B68G5/00 C08F1/28 C08F175/00 C08F297/04 C08J5/02 C08K3/00 C08K5/01 C08K5/24 C08L1/00 C08L23/16 C08L25/10 C08L51/00 C08L53/00 C08L53/02 C08L53/05 C08L9/00 C09D11/02 C09J153/02 C09J7/02 C10G1/04 C21D8/02 C22C38/42 C22C38/48 C22C38/50 C22C38/54 C22C38/58 G01N33/56 G01N33/57 H02N1/00 H02N2/00 (Advanced/Invention);

A61F2/78 A61M5/31 C08L101/00 (Advanced/Non-invention);

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A61F2/50 A61M5/31 C08L101/00 (Core/Non-invention)

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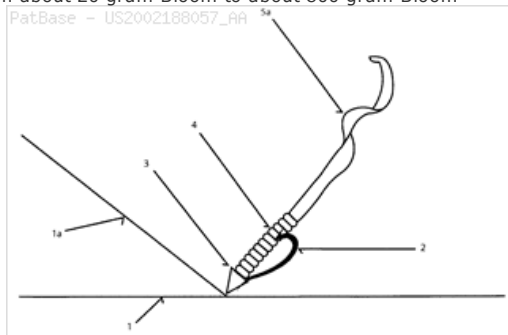
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US: 128/112.1 128/113.1 128/117.1 128/206.12 128/206.21 128/408 128/857 132/308 132/321 132/323 132/329 135/68 135/71 135/72 135/82 15/104.002 15/104.2 15/110 15/167.1 15/207.2 15/210.1 15/214 15/40.02 174/137A 174/137B 180/271 2/2.11 2/2.15 2/2.16 2/211 2/215 2/216 2/410 2/411 2/423 2/424 2/428 2/455 2/456 2/457 2/458 2/54 2/69 2/79 204/606 204/607 264/109 264/113 264/122 264/211.13 264/46.4 264/464 264/53 280/728.1 280/728.2 280/740 280/741 280/742 280/742P 297/391 297/392 297/394 297/397 297/411.2 297/423.1 297/DIG.1 297/DIG.4 310/309 310/309P 36/153 36/37 36/43 385/144 424/401 424/401P 424/405 424/405P 424/439 424/439P 424/448 424/84 426/1 426/573 427/162 428/301.4 428/308.4 428/319.3 428/319.7 428/319.9 428/35.2 428/352 428/378 428/401 428/407 428/441 428/462 428/515 428/52 428/521 428/537.1 428/688 43/26.2 43/35 43/42 43/42.24 43/42.26 43/42.32 43/42.33 43/42.34 43/42.5 43/43.33 433/216 44/271 441/102 441/102S 442/59 442/62 442/85 442/85P 446/253 446/254 446/34 446/385 446/46 446/48 446/486 446/490 446/491 446/61 446/62 446/66 5/632 5/636 5/640 5/652 5/653 5/654 5/655.5 5/655.9 5/724 5/909 52/447.4 521/139 521/140 521/148 521/50 521/54 523/105 523/113 523/218 523/218S 524/187 524/226 524/232 524/261 524/270 524/271 524/272 524/274 524/275 524/277 524/284 524/313 524/315 524/366 524/375 524/379 524/394 524/399 524/400 524/450 524/474 524/476 524/481 524/484 524/485 524/486 524/487 524/490 524/491 524/505 524/507 524/508 524/513 524/515 524/543 524/543S 524/549 524/571 524/571S 524/575 524/578 524/81 524/98 525/148 525/240 525/240P 525/241 525/314 525/476 525/490 525/505 525/521 525/8 525/98 525/95 525/95 525/99 56/52 56/559 565/550 57/24 585/833 601/141 602/1 602/41 602/41P 602/61 602/62 602/63 604/262 604/263 604/263 604/408 604/410 604/411 606/16 606/16P 606/2 606/2S 623/1.11 623/1.110S 623/11 623/11.11 623/13.12 623/16.11 623/18 623/20 623/20.14 623/21.11 623/23.4 623/23.41 623/23.58 623/27 623/33 623/36 623/37 623/59 623/61 623/63 623/8 66/171 66/178R 66/184 66/185 66/187 701/45 76/107.1

Locarno class: 24/58

Family:

Publication number	Publication date	Application number	Application date
AU199749774 A1	19980424	AU19970049774	19970930
BRP19711582 A	20000118	BR1997PI11582	19970930
CA2267441 AA	19990329	CA19972267441	19970930
CN1579352 A	20050216	CN200410070350	20040729
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HK1071843 A3	20050805	HK20050104608	20050601
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US2003004253 AA	20030102	US20010896047	20010630
US2003083422 AA	20030501	US20020299073	20021118
US2003122446 AA	20030703	US20020273828	20021017
US2003130407 AA	20030710	US20020199364	20020720
US2003134958 AA	20030717	US20020334542	20021231
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US2004018223 AA	20040129	US20020199363	20020720



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US4618213 A	19861021	US19840572172	19840118
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US5334646 A	19940802	US19920957290	19921006
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US6333374 BA	20011225	US19970954424	19971020
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WO9814133 A1	19980409	WO1997US17534	19970930

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Probable Assignee: APPLIED ELASTOMERICS INC

Assignee(s): (std): APPLIED ELASTOMERICS INC ; CHEN JOHN Y ; TOPCON CORP

Assignee(s): TOPCON KK ; ALLIED ELASTOMERICS INC ; KABUSHIKI KAISHA TOPCON ; PATENT AND LICENSE OFFICE

Inventor(s): (std): CHEN JOHN Y ; CHEN JOHN YOUNG FU ; CHEN JOHN YOUNGFU ; IORI MOTOGI ; NEMOTO IORI ; NOMURA KAZUHISA ; OYAGI WATARU ; SAGEHASHI HIDEO ; WATARU OYAGI ; KAZUHISA NOMURA

Inventor(s): MOTOGI IORI ; CHEN JOHN ; JOHN Y CHEN

Agent(s): GOWLING LAFLEUR HENDERSON LLP; APPLIED ELASTOMERICS INC; ARMSTRONG KRATZ QUINTOS HANSON AND BROOKS LLP; JOHN Y CHEN APPLIED ELASTOMERICS INC

Designated states: AT AU BE BR CA CH CN CZ DE DK ES FI FR GB GE GR HU IE IT JP KR LU MC NL NO NZ PL PT RO RU SE US VN

Title: ELECTRIC SHOWER

Abstract: The subject is an electric shower comprising a shell-shaped body (1), a separator disk (3) being positioned under it, a spreader (4) forming a first distribution chamber (5) with a side tubular outlet (6), while inside the body there is formed the wet heating chamber (7) limited by an intermediate wall (9) below the dry assembling chamber (10), closed on top by the temperature selection device (12). Water takes in through connection (8), passes chamber (7) causing pressure increase to actuate diaphragm (15) and simultaneously moving plate (18), closing contacts (28 and 29) causing the resistors to operate.

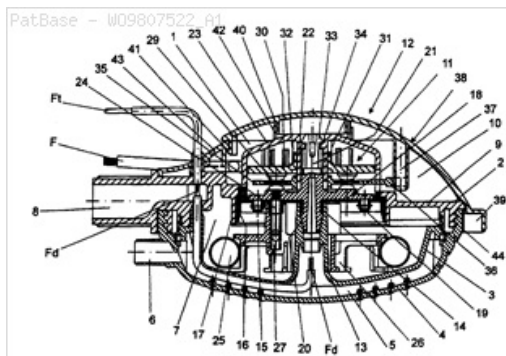
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International (IPC 1-7): A47K3/00 A47K3/22 A47K3/26 B05B B05B1/18 B05B1/24 F24H1/10 H02M1/20 H05B1/02 H05B3/20

CPC: B05B1/18 B05B1/24 E03C1/0404 A47K3/26

European: B05B1/24 E03C1/04D L05B1/18

**Family:**

Publication number	Publication date	Application number	Application date
AR005887 AA	19990721	AR1997P100634	19970218
AU199718637 A1	19980306	AU19970018637	19970218
AU728445 B2	20010111	AU19970018637	19970218
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BG64079 B1	20031231	BG19990103184	19990216
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KR100509154 B1	20050822	KR19997001317	19970218
KR20000030014 A	20000525	KR19997001317	19990218
NZ334223 A	20000526	NZ19970334223	19970218
PA8425501 A1	20000524	PA19010084255	19970219
PE51998 A1	19980829	PE19970000115	19970219
RU2177372 C2	20011227	RU19990105138	19970218
RU99105138 A	20001227	RU19990105138	19990319
SV1997000016 A	19980618	SV19970000016	19970311
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WO9807522 A1	19980226	WO1997BR00005	19970218

Priority:

AR19970106610	19970218	BR1976MU01258U	19960819	BR1997PI00871	19970206
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Probable Assignee: GOMES JOAO MARTINS

Assignee(s): (std): GOMES CARLOS MARTINS ; GOMES JOAO CARLOS MARTINS ; GOMES JOAO MARTINS ; GOMEZ JOAO CARLOS MARLENI ; JOAO CARLOS ; JOAO CARLOS MARTINS GOMES ; JOAO MARTINS GOMES ; MARTINS GOMES JO O CARLOS ; JOAO CARLOS MARTINS GOMEZ ; LORENZETTI S A IND BRASILEIRAS ELECTROMETALURGICAS ; MARTINS GOMES JOAO C ; MARTINS GOMES JOAO CARLOS ; ZHUAN KARLOS MARTINS GOMES ; MARTINS GOMEZ JOAO CARLOS

Assignee(s): MARTINS GOMES JOAO ; MARTINS GOMES JOO CARLOS ; LORENZETTI S A INDUSTRIAS BRASILEIRAS ELECTROMETALURGICAS ; JOAO CARLOS MARLENI GOMEZ ; LORENZETTI S A INDUSTRIAS BRASILEIRAS ELETROMETALURGICAS

Inventor(s): (std): CARLOS MARTINS GOMES JO O ; GOMES JFAO C ; GOMES JOAO CARLOS MARTINS ; GOMEZ JOAO CARLOS MARLENI ; MARTINS GOMES JOAO C ; MARTINS GOMES JOAO CARLOS ; JOAO CARLOS MARTINS GOMES ; MARTINS GOMEZ JOAO CARLOS ; ZHUAN KARLOS MARTINS GOMES

Inventor(s): JOAO CARLOS MARTINS GOMEZ ; MARTINS GOMES JO O CARLOS ; MARTINS GOMES JOO CARLOS ; JOAO CARLOS MARLENI GOMEZ

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; JOHANSSON; MARGARITA CASTELLANOS ABONDANO; JMB DAVIS BEN DAVID

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TG TJ TM TR TT UA UG US UZ VN

Title: IN-CAR COFFEE MAKER

Abstract: Source: US5233914A The In-Car Coffee Maker allows the driver of a motor vehicle to brew a cup or other single portion of brewed beverage without taking attention from the road. The device is stabilized by an anchored base. There is a rotatable holder clamp to level the coffee maker on an uneven floor or other surface of a motor vehicle, and an interlock mechanism prevents commencement of the brewing cycle unless the drinking cup is applied in proper position adjacent the coffee maker. A showerhead configuration above a brewing chamber allows heated water to dispersably contact a prepackaged filter containing beverage precursor particles. A thermostat control causes automatic shut-off when a single portion has brewed. A water reservoir is removable and resealable. Splash guard features are provided in the drinking cup for safety.

Classifications:

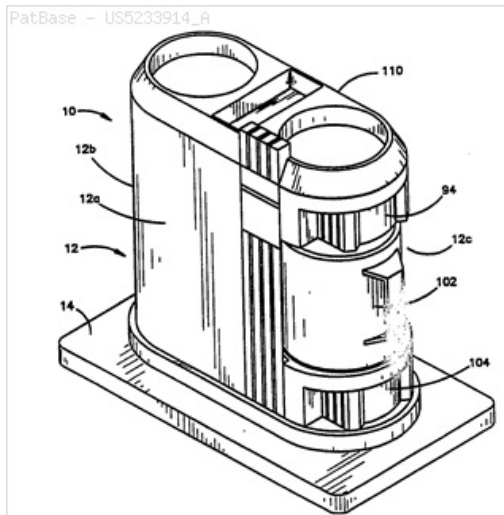
International (IPC 8-9): A47J31/00 A47J31/46 A47J31/54 A47J45/02 B60N3/16 (Advanced/Invention); A47J31/00 A47J45/00 B60N3/00 (Core/Invention)

International (IPC 1-7): A47J31/00 A47J31/22 A47J45/02 B60N3/16

CPC: A47J31/005 A47J45/02 B60N3/16 A47J31/46 A47J31/545

European: A47J31/00P A47J31/46 A47J31/54A1 A47J45/02 B60N3/16

US: 99/282 99/283 99/305 99/307 99/312 99/316



Family:

Publication number	Publication date	Application number	Application date
AT128015 E	19951015	AT19920917118T	19920728
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Priority:

US19910739311 19910801 US19930103860 19930809 WO1992US06199 19920728
US19940259960 19940614

Probable Assignee: ENGLISH PHILIP H AVON COL US

Assignee(s): (std): ENGLISH PHILIP H ; PHILIP H ENGLISH

Assignee(s): ENGLISH PHILIP H AVON COL US

Inventor(s): (std): ENGLISH PHILIP H ; PHILIP H ENGLISH

Inventor(s): ENGLISH PHILIP H AVON COL US

Agent(s): COLLISON AND CO; MACRAE AND CO

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP LI LU MC NL PT SE

Title: ENHANCEMENTS INCORPORATED TO THE MICRO-CONTROLLED AND REMOTE ACTIVATED ELECTRONIC SHOWERHEAD

Abstract: THE ENHANCEMENTS INCORPORATED INTO THE MICRO-CONTROLLED AND REMOTE ACTIVATED ELECTRONIC SHOWER, includes an Electronic Showerhead (1), which comprehends a heating module (2), connected to the power and water supply lines by means of a passage pipe (7) and finish cover (PLA). The said heating module (2) incorporates a micro-controller (A) in its electronic circuitry (MLA). The Electronic Showerhead also features a control console module (3) that incorporates a micro-controller (B) in its electronic circuitry (MLC). The said control console module (3) is mounted over the bathroom wall or glass. The heating module (2) is responsible for heating and guiding the water through the system; the control console (3) is responsible for the functions at the heating module (2) and by other functions taking place at the control console (3) through smart programming. The micro-controllers (A and B) communicate via photo-transceivers using infrared light or other remote (wireless) means. The Identification Code (CID) or Binary Code defines the communication system, yielding thousands of different combinations, providing interfaces for friendly communication and allowing the transferring of data from the control console of heating module (2). The control console module (3) through its mechanical and electrical arrangements plus associated commands, controls and monitors several functions of the shower, the most important being: maximum shower duration time and temperature; and maximum capacity and power allowed. The system manager (user) controls and activates all these functions by entering his password on the keyboard (T), checking the display (D) built in the control console module (3) or by voice command previously programmed. The control console module (3) of the electronic showerhead (1) stores data of a specific number of showers. These data can be transferred to a PC via the Data Collector Device (AIS) on the electronic shower "home" (IR) version and via Data Collector and Data Concentrator/Repeater Devices on the electronic shower "hotel" (IH) version.

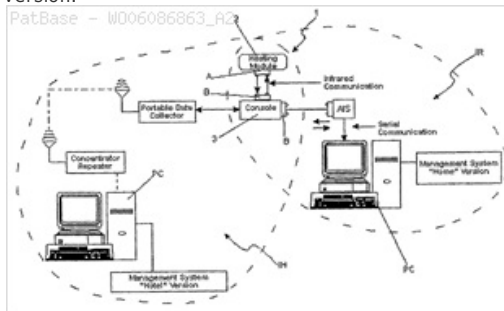
Classifications:

International (IPC 8-9): A47K3/00 E03C1/05 F16K31/00 F24H9/20 G05D23/19 H05B1/02 (Advanced/Invention); A47K3/00 E03C1/05 F16K31/00 F24H9/20 G05D23/19 H05B1/02 (Core/Invention)

International (IPC 1-7): H05B1/02

CPC: F24H9/2028 E03C1/055 G05D23/1393

European: E03C1/05D F24H9/20A2D G05D23/13 G05D23/13E



Family:

Publication number	Publication date	Application number	Application date
BRPI0500754 A	20060926	BR2005PI00754	20050218
WO06086863 A2	20060824	WO2006BR00025	20060216
WO06086863 A3	20090522	WO2006BR00025	20060216

Priority:

BR2005PI00754 20050218

Probable Assignee: LASSO CLAUDIO ORLANDI

Assignee(s): (std): LASSO CLAUDIO ORLANDI

Assignee(s): CLAUDIO ORLANDI LASSO

Inventor(s): (std): LASSO CLAUDIO ORLANDI

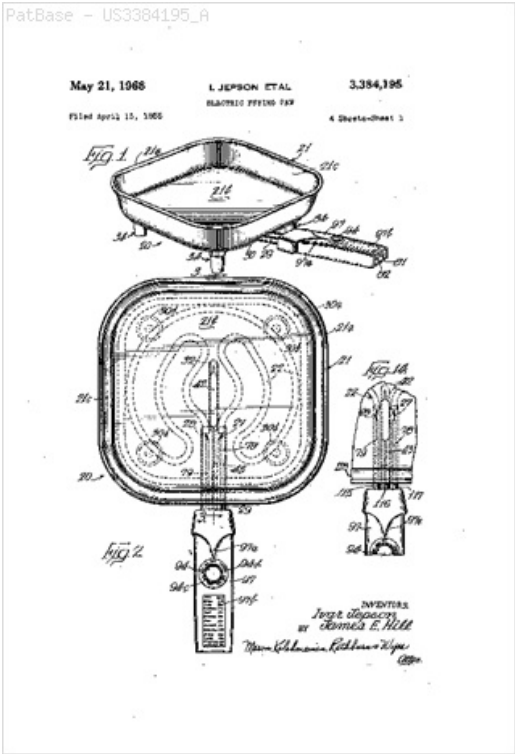
Inventor(s): CLAUDIO ORLANDI LASSO

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 KM KN KP KR KZ LC LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG 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

Title: **Electric** frying pan

Abstract: Source: US3384195A ABSTRACT OF THE DISCLOSURE
Electric frying pan including a container having an **electric heating** element in intimate **heat** exchange relationship with the bottom of the container. An elongated member defining a hermetically sealed chamber has one end thereof secured to the container and extends laterally therefrom with an insulating member secured to and enclosing a portion of the end of the member remote from the vessel to define a handle. A temperature sensing zone is provided in intimate **heat** exchange relationship with the bottom of the vessel and temperature sensing means are disposed within this chamber and adapted to be selectively adjusted by means wholly outside the hermetically sealed chamber. In one embodiment the handle and the temperature sensing element are removable as a unit from the vessel. The temperature sensing device includes an expansible bellows.

Classifications:
International (IPC 8-9): A47J37/10 H01H37/04 H01R13/713
H05B1/02 (Advanced/Invention);
A47J37/10 H01H37/00 H01R13/70 H05B1/02 (Core/Invention)
International (IPC 1-7): H05B1/02
CPC: A47J37/105 H01H37/043 H01R13/7137 H05B1/0208
European: A47J37/10B H01H37/04B H01R13/713T H05B1/02A2
H05B1/02B
US: 219/438 219/442 219/513 219/516 337/323 99/331 D7/354



Family:

Publication number	Publication date	Application number	Application date
GB810728 A	19590325	GB19550030662	19551026
US3384195 A	19680521	US19550501652	19550415

Priority:

US19550501652 19550415

Probable Assignee: SUNBEAM CORP
Assignee(s): (std): SUNBEAM CORP
Inventor(s): (std): IVAR JEPSON ; JEPSON IVAR ; HILL JAMES E

Title: WASHING MACHINE

Abstract: Source: GB889418A 889,418. **Diaphragm** pumps. COLSTON Ltd., CHARLES. April 3, 1958 [April 5, 1957], No. 11273/57. Class 102(1). [Also in Groups XXIII and XXIX] A compressed air operated detergent dispenser used in a dish washing machine is operated by the actuation of a valve 326. Compressed air can then flow through **pipe** 300 into cavity 313 and act on the underside of the plunger 310. The plunger moves upwards as far as it is allowed by nut 320 and additive is forced past ball valve 317, up **tube** 307 and out of bore 309. When the compressed air supply is disconnected the plunger returns under the action of spring 314 and the plunger chamber refills through ball valve 315. A filter 327 is provided, and a transparent **tube** 321 which enables the liquid level to be seen. Specification 832,756 is referred to.

Classifications:

International (IPC 8-9): A47L15/44 A47L15/46 (Advanced/Invention); A47L15/44 A47L15/46 (Core/Invention)

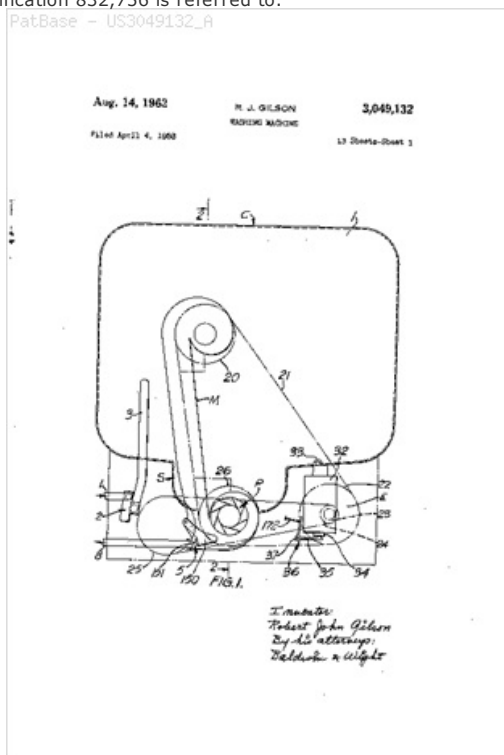
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European: A47L15/00C10 A47L15/00C6 A47L15/42G K47L401/09 K47L501/01 K47L501/06

US: 134/107 134/108 134/112 134/173 134/186 134/188 134/57.00D 134/57D 134/95.1

PatBase - US3049132_R



Family:

Publication number	Publication date	Application number	Application date
GB889418 A	19620214	GB19570011273	19570405
US3049132 A	19620814	US19580726394	19580404

Priority:

GB19570011273 19570405

Probable Assignee: COLSTON LTD C

Assignee(s): (std): COLSTON LTD C

Assignee(s): CHARLES COLSTON LIMITED ; CHARLES COLSTON LTD

Inventor(s): (std): GILSON ROBERT JOHN ; JOHN GILSON ROBERT

Title: **Electrical** appliance for steam cleaning smooth surfaces such as windows

Abstract: Source: US6112367A The appliance comprises a portable and **electrical** self-contained assembly comprising a case of plastics material defining a housing in which there are disposed an instant steam generator operating at atmospheric pressure with a porous **water** storage body and **electrical heater resistance** elements, and a steam distributor for diffusing steam through a series of front orifices. The case is extended by a squeegee carrier fitted with a squeegee blade projecting from the front of the appliance.

Classifications:

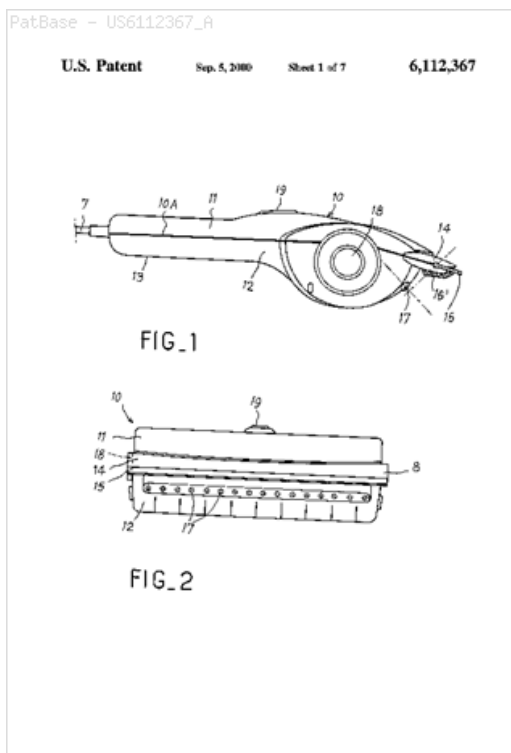
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International (IPC 1-7): A47L1/05 A47L1/8 A47L11/34 A47L11/38 B08B11/04 B08B3/04

CPC: A47L1/08

European: A47L1/08

US: 15/320 15/401 401/1 68/222



Family:

Publication number	Publication date	Application number	Application date
AT228326 E	20021215	AT19960402850T	19961220
CA2193291 AA	19970623	CA19962193291	19961218
DE69625028 D1	20030109	DE19966025028	19961220
DE69625028 T2	20031023	DE19966025028T	19961220
EP0780083 A1	19970625	EP19960402850	19961220
EP0780083 B1	20021127	EP19960402850	19961220
ES2192220 T3	20031001	ES19960402850T	19961220
FR2742682 A1	19970627	FR19950015345	19951222
FR2742682 B1	19980313	FR19950015345	19951222
JP9182693 A2	19970715	JP19960344165	19961224
US6112367 A	20000905	US19960774873	19961219

Priority:

CA19962193291 19961218 FR19950015345 19951222

Probable Assignee: SUPERBA A CORP

Assignee(s): (std): SUPERBA SA ; DOMENA ; DOMENA ALTKIRCH

Assignee(s): DUSSOUL REMY ; BURR JEAN MARC ; SUPERBA A CORP ; SUPERBA ; SUPERBA S A ; SUPERUBA SA ; RICHARD GUY

Inventor(s): (std): BURR JEAN MARC ; DUSSOUL REMY ; RICHARD GUY ; REMII DEYUSUURU ; JIYANMARUKU BUURU ; GIYUI RICHIAADO

Agent(s): SIM AND MCBURNEY

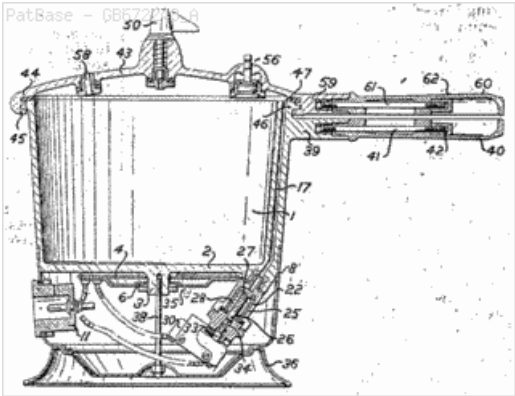
Designated states: AT BE CH DE ES GB GR IT LI NL PT SE

Title: Improvements in or relating to pressure cookers

Abstract: Source: GB672248A [March 28, 1949 ; Aug. 9,1949] Nos. 8405/49 and 20707/49. Class 38 (v), [Also in Group VI, XI, XVII, XVIII and XXXV] In a pressure cooker having vapour-pressure responsive means for cutting off the **heat** supply to the cooking vessel, when pressure in the vessel exceeds a predetermined value, the pressureresponsive means comprise an expansible chamber formed by a cylindrical vessel 22 and metal bellows 25. A plunger 26, having an enlarged head 27. is urged against one end of the bellows by spring 28 and on compression of the bellows by excessive pr'essure it operates the control element'33 of a micro switch 30 to arrest the **heat** supply. The axial setting of a **screw** 34 on the control element 33 determines the pressure at which the switch will be actuated. A thermostat 35 may also be provided which either operates a second micro switch in. series with the first or is connected by a linkage to the element 33. According to the Provisional Specifications the interior of a pressure cooker may comprise a well, separated by a tin plate from the .cooking chamber, and within which is a spigot having on top a **diaphragm** which operates a snap switch mechanism when the pressure exceeds a certain value.

Classifications:

International (IPC 8-9): A47J27/08 (Advanced/Invention);
A47J27/08 (Core/Invention)
International (IPC 1-7): A47J27/086 A47J27/09 A47J27/62
CPC: A47J27/0802
European: A47J27/08C



Family:

Publication number	Publication date	Application number	Application date
GB672248 A	19520521	GB19490008405	19490328

Priority:

GB19490008405 19490328

Probable Assignee: F AND F ELECTRICAL FITTINGS LTD
Assignee(s): (std): F AND F ELECTRICAL FITTINGS LTD ; MARK BURKE
Assignee(s): F AND F ELECTRICAL FITTINGS LIMITED

Title: METHOD AND DEVICE FOR THE GENERATION OF STEAM, IN PARTICULAR FOR COOKING DEVICE

Abstract: Source: US2003192436A The invention relates to a method for the generation of steam, in particular for a cooking device, whereby a fluid within a steam generator container is brought to the boil, by the **heating** of at least one **heatable** wall surface (12) of the steam generator container. Said fluid is set in rotation by the **heating** and thus pressed against the **heatable** wall surface (12), due to centrifugal forces arising from the rotation. The steam generated as a result of the evaporation of at least a part of the fluid escapes from the steam generator container through a steam outlet and droplets of fluid entrained in the steam are separated out by at least one first rotor (8), rotatably mounted in the steam generator container, whereby the fluid is set in rotation by said rotor. The invention further relates to a device using the above method.

Classifications:

International (IPC 8-9): A47J27/04 A47J27/16 A47J36/00 F22B27/12 F22B27/14 F22B37/54 F22B5/00 F24C1/00

F28G3/12 (Advanced/Invention);

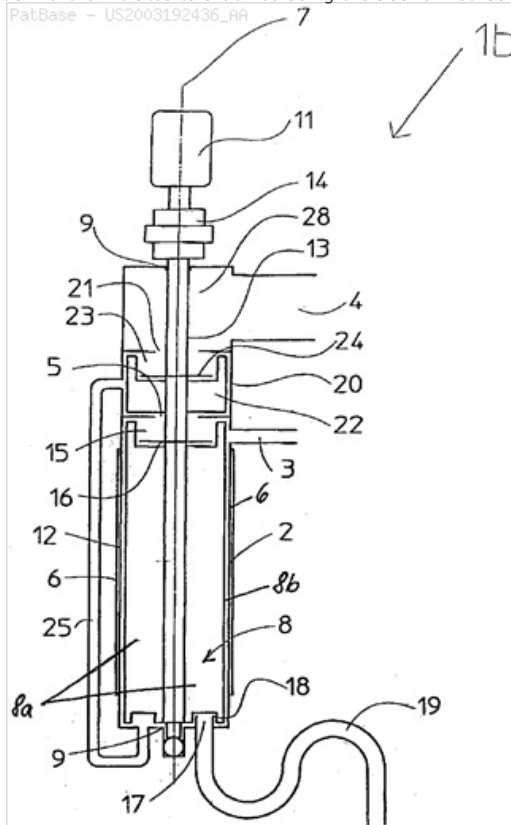
A47J27/04 A47J27/16 A47J36/00 F22B27/00 F22B37/00 F22B5/00 F24C1/00 F28G3/00 (Core/Invention)

International (IPC 1-7): A47J27/04 A47J27/16 A47J37/12 F22B27/12 F22B27/14 F22B3/06 F22B37/54 F22B5/00 F24C1/00 F28G3/12

CPC: A47J36/00 F22B5/005 F22B27/12

European: A47J36/00 F22B27/12 F22B5/00B

US: 122/26 126/247 99/410 99/410P



Family:

Publication number	Publication date	Application number	Application date
DE50111155 D1	20061116	DE20015011155	20010808
EP1307690 A1	20030507	EP20010960158	20010808
EP1307690 B1	20061004	EP20010960158	20010808
JP2004505700 T2	20040226	JP20020518036T	20010808
US2003192436 AA	20031016	US20030344293	20030207
US6959668 BB	20051101	US20030344293	20030207
WO0212790 A1	20020214	WO2001DE03034	20010808
WO0212790 B1	20020523	WO2001DE03034	20010808

Priority:

DE20001038957 20000809

DE20015011155 20010808

WO2001DE03034 20010808

Probable Assignee: RATIONAL AG

Assignee(s): (std): JUNKER ELMAR ; KOHLSTRUNG PETER ; MAAS BRUNO ; SCHREINER THOMAS ; WIEDEMANN PETER ; RATIONAL AG

Inventor(s): (std): JUNKER ELMAR ; KOHLSTRUNG PETER ; MAAS BRUNO ; SCHREINER THOMAS ; WIEDEMANN PETER

Agent(s): MARSHALL GERSTEIN AND BORUN LLP

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE TR US

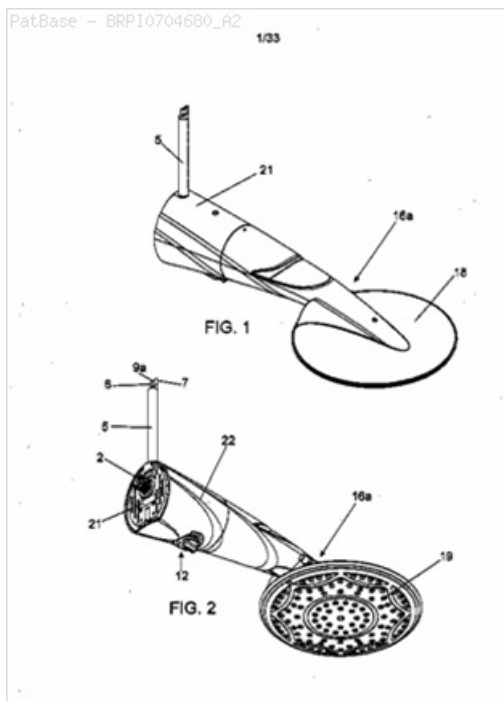
Title: aperfeiçoamento em chuveiro elétrico Improvement in **electric** shower (Machine translation)

Abstract: Source: BRPI0704680A APERFEIÇOAMENTO EM CHUVEIRO ELETRICO. Constituido por corpo de montagem ordinariamente tubular e estendido horizontalmente (1), cuja extremidade posterior possui uma conexao de entrada (2) e respectivo flange (3), apos a qual a parte superior inclui meios (4) para fixacao de um chicote (5) com fios de alimentacao (7-8) e fio terra (9a), enquanto pela parte inferior existe um alargamento circular em forma de copo invertido (10) de montagem de um primeiro conjunto definido como de acionamento (11) e, ao lado deste, um outro conjunto definido como de regulagem de temperatura (12), em que o primeiro esta interligado com o chicote de fios (7-8) de alimentacao e captacao de corrente de fuga (9a), como tambem dito conjunto de acionamento e atuado pela pressao da agua proveniente da conexao posterior (2) integrada ao corpo (1) que, ainda, na sua regio anterior, configura o boca cilindrica (13) de acoplamento que, pelo lado interno, alem de ter comunicacao com a conexao de entrada (2) e o conjunto de acionamento (11), tambem possui meios (14) para encaixe e fixacao da **resistencia** eletrica (15), a qual se estende coaxialmente a frente do corpo (1), onde e envolvida por uma unica peca removivel (1 6a), cuja parte posterior configura camara de aquecimento (1 6b) com meios (17) para acoplamento estanque e desacoplamento rapido com o corpo (1), enquanto pela extremidade oposta dita camara de aquecimento e prolongada e integrada com uma parte que configura camara espalhadora (1 6c) a maneira de calota invertida (18), como tambem a parte inferior da dita camara espalhadora (1 6c) e fechada por um crivo inferior (19) e tambem possui uma saida lateral (20) para ducha manual, sendo que, ainda, o referido corpo (1) e envolvido por duas capas de acabamento, uma posterior (21) e uma anterior (22), esta ultima com feito tronconico para envolver completamente a extensao diametral do corpo (1), onde dita segunda capa apresenta o seu diametro menor anterior coincidindo com o diametro externo da extremidade posterior da peca removivel (1 6a).

Machine translation: Improvement in **electric** shower. Consisting of ordinary tubular body assembly and extended horizontally (1), whose rear end has an input connection (2) and its flange (3), after which the upper part includes means (4) for fixation of a whip (5) with power wires (7-8) and ground (9th), while the bottom there is a widening circular-shaped inverted cup (10) mounting a first set drive defined as (11) and next this, another set defined as temperature regulation (12), in which the first is connected with the harness (7-8) power supply and uptake of leakage current (ninth), but also said set of drive and actuated by **water** pressure from the connection off (2) integrated into the body (1) that, even in its anterior region, sets the cylindrical mouth (13) coupling which, on the inside, besides having communication with the connection of input (2) and drive train (11), also has means (14) for fitting and fixing of **electrical resistance** (15), which extends coaxially in front of the body (1), where, surrounded by a single piece removable (1 6a), which set back the **heating** chamber (1 6b) with means (17) for coupling and uncoupling sealed fast with the body (1), while the opposite end of said **heating** chamber and extended and integrated with a part that chamber spreader sets (1 6c) the way inverted cap (18), as also the lower chamber of said spreader (1 6c) and closed by a sieve bottom (19) and also has an output side (20) for hand shower, and also the said body (1) and surrounded by two layers of finish, a later (21) and the previous one (22), the latter with shape Tronconi to fully enclose the diametral extension of the body (1), where said second layer has the smaller its diameter coinciding with the previous external diameter of the rear end of the piece removable (1 6a).

Classifications:

International (IPC 8-9): A47K3/08 H05B3/06 (Advanced/Invention);
A47K3/02 H05B3/06 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
BRPI0704680 A2	20090825	BR2007PI04680	20071226

Priority:

BR2007PI04680 20071226

Probable Assignee:

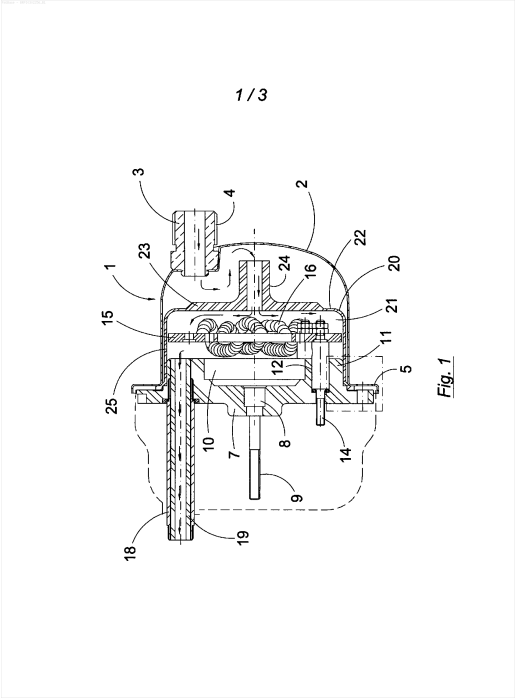
Assignee(s): (std): LORENZETTI CLAUDIO LOURENCO
Assignee(s): CLAUDIO LOURENCO LORENZETTI
Inventor(s): (std): LORENZETTI CLAUDIO LOURENCO
Inventor(s): CLAUDIO LOURENCO LORENZETTI

Title: aperfeiçoamentos introduzidos em aparelhos eletricos de aquecimento instantaneo de agua com carcaca metalica. Enhancements introduced in **electrical** appliances of instant **water heating** with metallic carcass. (Machine translation)

Abstract: Source: BRPI0302256B RESUMO "APERFEICOAMENTOS INTRODUIZIDOS EM APARELHOS ELETRICOS DE AQUECIMENTO INSTANTANEO DE AGUA COM CARCACA METALICA Trata esta patente de aperfeiçoamentos introduzidos em aquecedores instantaneos de agua cujo interior recebe uma cuba de material isolante que envolve o suporte da **resistencia** e forma uma camara de aquecimento que propicia maior eficiencia na troca termica entre a **resistencia** e o liquido que atravessa o aquecedor. A novidade consiste de um aquecedor constituido de uma carcaca (1) que recebe uma tampa cilindrica (7) de material isolante provida com uma projecao anelar (11) de diametro externo ligeiramente inferior ao diametro interno da carcaca (1), dita projecao possuindo tres furos cilindricos passantes (12), cada um deles sucedido por uma guia tubular (13), ditos furos predispostos para serem atravessados pelas hastes metalicas (14) onde e preso o suporte (15) da **resistencia** eletrica (16), a qual e energizada atraves destas hastes, conectadas aos contatos fixos da chave interruptora automatica, a tampa (7) apresentando ainda um quarto orificio circular passante (17) contraposto aqueles tres primeiros, possuindo uma rosca onde e afixado o tu bete de saida (18), o qual recebe um tubo interno (19) de material isolante, sendo o conjunto complementado por uma campanula cilindrica (20) confeccionada em material isolante, preferencialmente borracha nitrilica, a qual envolve o suporte (15) da **resistencia** (16) e a face inferior da tampa (7), conformando uma camara de aquecimento (21) que tambem abriga o diafragma de acionamento, a parede transversal (22) da campanula (20) apresentando um espessamento central (23) que circunda uma projecao tubular (24) voltada para fora, enquanto a parede lateral (25) da mesma campanula, de espessura inferior ao espaco intersticial entre a projecao anelar (11) da tampa (7) e a parede da carcaca (1), tendo o rebordo formado por uma curta projecao inclinada (26), sucedida por um espessamento perimetral (27) de secao retangular, o qual e comprimido pela face interna da tampa (7) que, neste ponto, possui uma sucessao de pequenas ranhuras concentricas (28), contra a aba **terminal** (5) da carcaca (1). SUMMARY "IMPROVEMENTS INTRODUCED IN EQUIPMENT **WATER INSTANTANEOUS HEATING ELECTRIC** WITH CASTING METALLIC It this patent improvements made in instantaneous **heating of water** inside which receives an insulating material vessel which involves the support of **resistance** and forms a **heating** chamber which provides greater efficiency in the thermal exchange between the **resistance** and the liquid that passes through the **heater**. The novelty consists of a **heater** consists of a carcass (1) receiving a cylindrical cover (7) of insulating material provided with an annular projection (11) of slightly smaller outer diameter to the inner diameter of the carcass (1), said projection having three holes cylindrical bushings (12), each one of them succeeded by a tubular guide (13), said predisposed holes to be pierced by the metal rods (14) where and stuck support (15) of the **electrical resistance** (16), the which and energized through these rods, connected to the fixed **contacts** of automatic key switch, the lid (7) also having a fourth hole circular through (17) opposed those first three, having a **thread** where and posted thou bete output (18) which receives an inner **tube** (19) of insulating material, the whole being completed by a cylindrical cup (20) made of insulating material, preferably nitrile rubber, which surrounds the support (15) of the **resistance** (16) and the face cover bottom (7), forming a **heating** chamber (21) which also houses the **diaphragm** drive, the transverse wall (22) of campanula (20) having a central thickening (23) which surrounds a tubular projection (24) facing out while the side wall (25) thereof campanula, of a thickness less than the interstitial space between the annular projection (11) of the lid (7) and the wall of the housing (1) and the flange formed by a short projection leaning (26), succeeded by a perimeter thickening (27) of rectangular cross section, which is pressed by the inner face of the cover (7) which, at this point, has a succession of small concentric grooves (28) against the end flap (5) of the carcass (1).

Classifications:

International (IPC 8-9): A47K3/28 F24H1/10 H05B3/00 (Advanced/Invention); A47K3/28 F24H1/10 H05B3/00 (Core/Invention) **International (IPC 1-7):** A47K3/28 F24H1/10 H05B3/00



Family:

Publication number	Publication date	Application number	Application date
BRPI0302256 A	20050315	BR2003PI02256	20030702
BRPI0302256 B1	20110823	BR2003PI02256	20030702

Priority:

BR2003PI02256 20030702

Probable Assignee:

Assignee(s): (std): CELLA JOSE CARLOS
Assignee(s): JOSE CARLOS CELLA
Inventor(s): (std): CELLA JOSE CARLOS
Inventor(s): JOSE CARLOS CELLA

Title: CAMARA LABIRINTICA POSTICA DE ENTRADA PARA APARELHOS ELETRICOS DE AQUECIMENTO INSTANTANEO DE AGUA

Abstract: Source: BRPI0500337C Trata este certificado de adicao de uma camara labirintica postica inserida em um aquecedor, torneira ou chuveiro eletrico, viabilizando o uso de disjuntor diferencial (DR) no ponto de utilizacao da rede eletrica predial onde o aparelho esta conectado. A novidade consiste de uma camara labirintica postica interna, conectada a entrada de agua da carcaca (1) de um aparelho, sendo interligada a projecao interna (10) que se comunica-se com o orificio (11) do tubete de entrada de agua, dita projecao encaixando-se no furo de entrada (12) na parede superior da dita camara, a qual e formada por dois elementos confrontantes (13) e (14) acoplados, apresentando uma passagem interna (15) que forma um labirinto, com o elemento externo (13) possuindo uma curvatura de raio pouco inferior ao raio da parede (3) da carcaca (1), ficando disposto paralelamente a esta parede, dita camara labirintica exibindo ainda uma abertura inferior (18) que comunica sua passagem interna (15) com a camara de aquecimento (2). A parede superior da projecao (6) exibe um furo passante atravessado por um segmento de fio condutor (19) que se estende ao longo da projecao (6) e por todo o comprimento da passagem (15), o trecho deste condutor posicionado apos a abertura (16) tendo um par de dobras a 90<198> (20) e (21), sucedidas por um segmento vertical (22), seguindo-se um par de dobras sucedido por um trecho **terminal** descendente (23) posicionado axialmente ao longo do tubo-sifao, estando o extremo inferior (24) deste condutor desprovida de sua capa isolante, tal como seu extremo oposto (25) na parte externa do aparelho, o mesmo se dando com um pequeno trecho (26) deste condutor (19), disposto junto a cavidade (11) do tubete de entrada (4). Esta camara labirintica pode ser adaptada a carcaca (1a) de um aparelho convencional, equipado com um captador (27) de corrente de fuga na cavidade (11) do tubete (4) cuja cavidade interna recebe uma conexao (29) cujo lado oposto conecta-se a um cotovelo (30) que tem seu tramo inferior encaixado no furo superior (12) da camara labirintica, a conexao (29) e o cotovelo (30) sendo fixados por adesivo ou simples interferencia mecanica.

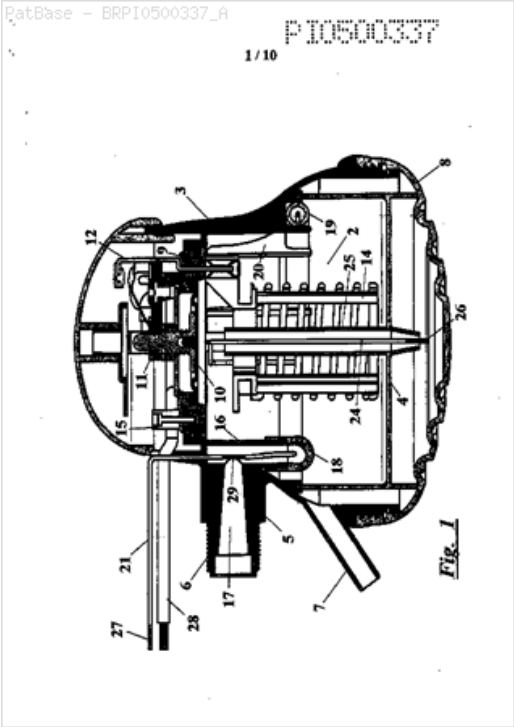
Classifications:

International (IPC 8-9): A47K3/28 H01R13/648

H05B3/02 (Advanced/Invention);

A47K3/28 H01R13/648 H05B3/02 (Core/Invention)

International (IPC 1-7): A47K3/28 H01R13/648 H05B3/02



Family:

Publication number	Publication date	Application number	Application date
BRPI0500337 A	20051004	BR2005PI00337	20050201
BRPI0500337 C 1	20060110	BR2005PI00337	20050201

Priority:

BR2005PI00337 20050201

Probable Assignee: PETRONGARI ANTONIO GILDO

Assignee(s): (std): PETRONGARI ANTONIO GILDO ; SILVA JOSE COELHO DA ; RENTROIA MANOEL RODRIGUES

Assignee(s): ANTONIO GILDO PETRONGARI ; JOSE COELHO DA SILVA ; MANOEL RODRIGUES RENTROIA

Inventor(s): (std): PETRONGARI ANTONIO GILDO ; RENTROIA MANOEL RODRIGUES ; SILVA JOSE COELHO DA ; MANOEL RODRIGUES RENTROIA ; JOSE COELHO DA SILVA ; ANTONIO GILDO PETRONGARI

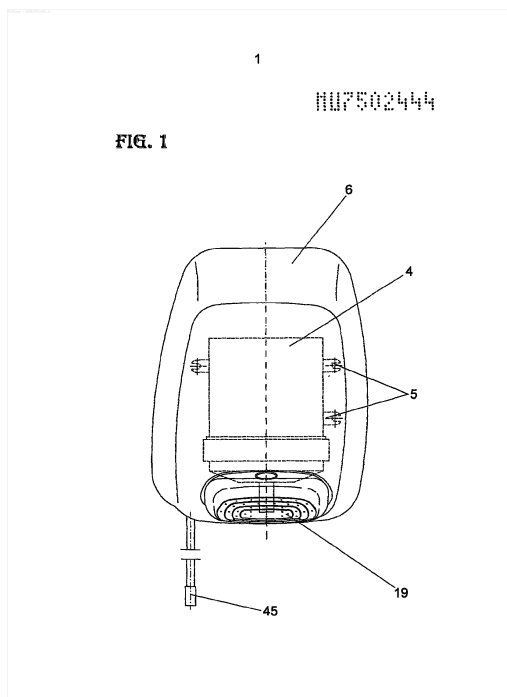
Title: Disposicao introduzida em ducha electronica blindada Character introduced in armored electronic shower (Machine translation)

Abstract: Source: BRMU7502444U [Source: Claim 1] 1) "DISPOSICAO INTRODUZIDA EM DUCHA ELETRONICA BLINDADA", caracterizada pelo fato de fato de, inicialmente, ser prevista uma base de montagem (1), praticamente retangular, verticalmente posicionada que, pela parte posterior, apresenta aberturas compatíveis para passagem da fiação elétrica (2) e para a conexão de entrada de água (3), integrada na parte posterior de um corpo blindado (4), cilíndrico, com asas laterais (5) para sua fixação contra a face interna da base (1), onde ocupa uma posição vertical e permanece completamente envolvido por uma capa externa a maneira de tampa bojuda (6) e, ainda, dito corpo blindado (4) e do tipo copo invertido, completamente fechado na parte superior, onde está sediado o circuito elétrico e um conjunto eletrônico (7), enquanto pela parte inferior existe um primeiro fechamento estanque (8) seguido por um outro (9), delimitando assim a câmara interna de aquecimento (10), superior, e a câmara de saída inferior (11), esta se comunicando com a primeira, já que do centro do dito fechamento eleva-se um tubo pescador (12), cuja extremidade superior termina ligeiramente antes do fechamento superior do corpo (1) e acima do nível definido pela conexão de entrada de água (3), como também ao redor do dito tubo pescador esta posicionada uma **resistência** elétrica blindada (13) devidamente fixada ao corpo (4) e interligada ao circuito elétrico e eletrônico (7); a saída inferior do tubo vertical pescador (12) recebe uma peça complementar (14) e, com ela, forma-se uma precâmara de saída (15) que, por sua vez, é equipada com uma válvula automática (16), através da qual o fluxo de água pode ser desviado para duas saídas distintas, uma inferior (17) para o chuveirinho manual, enquanto a outra (18) se comunica com a outra câmara de saída (11), onde está montado o crivo articulado (19). [Source: Claim 1] 1) "CHARACTER INTRODUCED in ARMORED ELECTRONIC SHOWER", characterized by the fact that initially, provision is made for mounting base (1), practically rectangular, vertically positioned that the rear, features openings compatible for passage of wiring (2) and to the **water** inlet connector (3), integrated into the rear of an armored body (4), cylindrical, with side handles (5) to its fixation against the inner face of the base (1), where it occupies a vertical position and remains completely surrounded by an outer cover the way of bulging cover (6) and, yet, said armored body (4) and the inverted Cup type, completely closed at the top, where is located the **electric** circuit and an electronic Assembly (7), while the bottom there is a first watertight closure (8) followed by another (9), so the internal Chamber delimiting **heating** (10), top, and bottom outlet Chamber (11), this communicating with the first, since the Centre of the said amounts to lock a fisherman **tube** (12), whose upper extremity ends slightly before the closing upper body (1) and above the level set by the **water** inlet connection (3), and also around the **tube** this fisherman said positioned a **electrical resistance** armoured (13) properly attached to the body (4) and connected to **electric** and electronic circuit (7); the lower output of the vertical **tube** fisherman (12) receives a supplement (14) and, with it, a precâmara of saída (15) that, in turn, and equipped with an automatic valve (16), by which the flow of **water** can be diverted to two distinct outputs, a bottom (17) to the showerhead manually, while the other (18) communicates with the other camera out (11) where this fitted the sieve (19).

Classifications:

International (IPC 8-9): F24H1/10 (Advanced/Invention);
F24H1/10 (Core/Invention)

International (IPC 1-7): A47K3/22 F24H1/10



Family:

Publication number	Publication date	Application number	Application date
BRMU7502444 U	19960326	BR1995MU02444U	19951109

Priority:

BR1995MU02444U 19951109

Probable Assignee: LORENZETTI S A IND BRASILEIRAS

Assignee(s): (std): LORENZETTI S A IND BRASILEIRAS

Assignee(s): LORENZETTI S A INDUSTRIAS BRASILEIRAS ; LORENZETTI S A INDUSTRIAS BRASILEIRAS ELETROMETALURGICAS

Inventor(s): (std): DE ALMEIDA JOSINALDO PEDRO ; DE MORAES OLIVEIRA SIMONE ROSA ; SIQUEIRA LANA ANA LUCIA

Inventor(s): ALMEIDA JOSINALDO PEDRO DE ; LANA ANA LUCIA SIQUEIRA ; MORAES OLIVEIRA SIMONE ROSA DE