COOPERATIVE PATENT CLASSIFICATION

HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL

(A47F, A47G, A47J)

KITCHEN EQUIPMENT; COFFEE MILLS; SPICE MILLS; APPARATUS FOR MAKING BEVERAGES

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

9/00 Apparatus or utensils for shaping {or dispensing portions of} butter or the like

9/001 . . (for use in dairies A01J 19/00, A01J 21/00; A01J 23/00); moulding plastic material in general B29C)

9/002 . . (and spreading them on other food items, e.g. bread slices (for corn cob holders A47G 19/303; butter spreading table ware A47G 21/005))

9/003 . . [by forming, e.g. peeling off or extruding, curls or rings]

9/005 . . [by slicing slabs or prints into pats]

9/006 . . [combined with extrusion or molding]

9/007 . . [with automatic feeding mechanism]

2009/008 . . [with scales or indicators to determine the amount to be dispensed or separated]

17/00 Household peeling, stringing, or paring implements or machines (for foodstuffs in bulk A23N)

17/02 . . Hand devices for scraping or peeling vegetables or the like

17/04 . . Citrus fruit peelers

17/06 . . Devices for stringing beans

17/08 . . Asparagus peelers

17/10 . . Vegetable or fruit grippers or holders for use while peeling

17/14 . . Machines for peeling (universal kitchen machines A47J 43/04)

17/16 . . Peeling machines with rotary fruit-holding spindles and fixed or movable peeler blades

17/18 . . with scraping discs or rotors

17/20 . . with brushes

19/00 Household machines for straining foodstuffs; Household implements for mashing or straining foodstuffs (for foodstuffs in bulk A23N)

19/005 . . [Hand devices for straining foodstuffs]

19/02 . . Citrus fruit squeezers; Other fruit juice extracting devices

WARNING

Group A47J 19/02 is incomplete pending reclassification of documents from group A47J 19/022.

Group A47J 19/02 is also impacted by reclassification into groups A47J 19/023 and A47J 19/025.

All groups listed in this Warning should be considered in order to perform a complete search.

19/022 . . (Frozen)

WARNING

Group A47J 19/022 is no longer used for the classification of documents as of August 1, 2018.

The content of this is being reclassified into groups A47J 19/023 and A47J 19/02.

Groups A47J 19/022, A47J 19/023 and A47J 19/02 should be considered in order to perform a complete search.

19/023 . . [including a pressing cone or reamer]

WARNING

Group A47J 19/023 is incomplete pending reclassification of documents from groups A47J 19/02 and A47J 19/022.

Groups A47J 19/02, A47J 19/022 and A47J 19/023 should be considered in order to perform a complete search.
Cooking: Apparatus for making beverages

27/00 Cooking-vessels (A47J 29/00 - A47J 33/00 take precedence)

27/002 . . . [Construction of cooking-vessels (with enlarged bottom A47J 27/02), made of specific materials A47J 36/02]; Methods or processes of manufacturing specially adapted for cooking-vessels (making cooking pots by processing sheet metal or metal tubes, rods or profiles without removing material B21D 51/22)]

27/004 . . . [with integral electrical heating means (drinking cups with integral heating means A47J 36/2466)]

2027/006 . . . [especially adapted for preparing pasta]
2027/008 . . . [for cooking pasta under pressure]
27/02 . . . with enlarged heating surfaces
27/022 . . . with enlarged bottom
27/024 . . . with liquid-heating tubes extending outside the vessel
27/026 . . . with conduits through the vessel for circulating heating gases
27/04 . . . for cooking food in steam; Devices for extracting fruit juice by means of steam (; Vacuum cooking vessels (steam-heated vessels for hotels, restaurants or canteens A47J 27/16))

2027/043 . . . [for cooking food in steam]
2027/046 . . . [Devices for extracting fruit juice by means of steam]

27/05 . . . Tier steam-cookers, i.e. with steam-tight joints between cooking-vessels stacked while in use ((tier pressure-cookers A47J 27/084); tier cooking-vessels in general A47J 27/13)
27/06 . . . Steam-heated kettles for domestic use (tiers cooking-vessels with water-bath A47J 27/10; cooking-vessels with steam jacket for hotels, restaurants or canteens A47J 27/17; milk-boiling vessels with water or steam jacket A47J 27/57)]
27/08 . . . Pressure-cookers; Lids or locking devices specially adapted therefor
27/0802 . . . [Control mechanisms for pressure-cookers]
27/0804 . . . [Locking devices]
27/0806 . . . [of the bayonet-type]

27/0808 . . . [of the bridge-type]
27/0811 . . . [using a number of pivotal clamps along the circumference of the cooking-vessel]
27/0813 . . . [using a clamping ring or clamping segments]
27/0815 . . . [where vessel and lid have adapted shapes to provide for the locking action]
27/0817 . . . [Large-capacity pressure cookers; Pressure fryers (cooking-vessels heated by steam A47J 27/16)]
27/082 . . . with inserts for cooking different foods separately at the same time; Inserts therefor (inserts for cooking vessels in general A47J 36/16)
27/084 . . . with adjustable volume; Tier pressure-cookers ((tier steam-cookers A47J 27/05; tier cooking-vessels in general A47J 27/13)]
27/086 . . . with built-in heating means (adaptations of automatic switches for the heating means A47J 27/62)
27/088 . . . adapted to high-frequency heating
27/09 . . . Safety devices [including the pressure indicators]
27/092 . . . Devices for automatically releasing pressure before opening
27/10 . . . Cooking-vessels with water-bath arrangements for domestic use {[milk boilers with water-bath A47J 27/575]}
27/12 . . . Multiple-unit cooking vessels {[carriers for prepared food A47J 47/14]}
27/122 . . . with adaptation of shape to that of adjacent vessels for forming a unit, e.g. sector-shaped
27/13 . . . Tier cooking-vessels {Cooking-vessels with adjustable volume; Cooking-vessels with lids or covers which may be used as a cooking vessel (tier steam-cookers with steam-tight joints between stacked vessels A47J 27/05; tier pressure-cookers A47J 27/084)}
27/14 . . . Cooking-vessels for use in hotels, restaurants, or canteens
27/16 . . . heated by steam
27/17 . . . with steam jacket
27/18 . . . heated by water-bath [, e.g. pasta-cookers]
27/20 . . . Ham-boilers
27/21 . . . Water-boiling vessels, e.g. kettles {[for coffee-making machines A47J 31/54]}
27/21008 . . . [electrically heated]
27/21016 . . . [with heating elements immersed in the water (A47J 27/2105 takes precedence)]
27/21025 . . . [the heating elements being electrodes]
27/21033 . . . [with removable heating elements]
27/21041 . . . [with heating elements arranged outside the water vessel (A47J 27/2105 takes precedence)]
27/2105 . . . [of the cordless type, i.e. whereby the water vessel can be plugged into an electrically-powered base element]
27/21058 . . . [Control devices to avoid overheating, i.e. “dry” boiling, or to detect boiling of the water (A47J 27/21158 takes precedence)]
27/21066 . . . [Details concerning the mounting thereof in or on the water boiling vessel]
27/21075 . . . [relating to the boiling sensor or to the channels conducting the steam thereto]
27/2108 . . . [with variable operating parameters, e.g. temperature or boiling period]
27/21091 . . . [of electronic type]
Cooking; Apparatus for making beverages

31/00 Apparatus for making beverages (household machines or implements for straining foodstuffs A47J 19/00; preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, A23L 2/00; coffee or tea pots A47G 19/14; tea infusers A47G 19/16; brewing of beer C12C; preparation of wine or other alcoholic beverages C12G)

31/002 . (following a specific operational sequence, e.g. for improving the taste of the extraction product)

31/005 . (portable or compact beverage making apparatus, e.g. for travelling, for use in automotive vehicles)

31/007 . (for brewing on a large scale, e.g. for restaurants, or for use with more than one brewing container)

31/02 . Coffee-making machines with removable extraction cups, to be placed on top of drinking-vessels, i.e. coffee-makers with removable brewing vessels, to be placed on top of beverage containers, into which hot water is poured, e.g. cafe filtre (filters A47J 31/06 (with integral heating means A47J 31/10))

31/04 . Coffee-making apparatus with rising pipes (pressure coffee-makers A47J 31/24)

31/043 . Vacuum-type coffee-making apparatus with rising pipes in which hot water is passed to the upper bowl in which the ground coffee is placed and subsequently the heat source is cut-off and the water is sucked through the filter by the vacuum in the lower bowl

31/047 . . with automatic cut-off of heat supply

31/053 . . with repeated circulation of the extract through the filter

31/057 . . with water container separated from beverage container, the hot water passing the filter only once, i.e. classical type of drip coffee makers (drip coffee makers only functioning with the water heating container in a higher position than the brewing vessel A47J 31/10)

31/0573 . . . (with flow through heaters (flow through heaters as part of a water boiling vessel in a beverage making machine A47J 31/542))

31/0576 . . . (with a sealed water boiling vessel in which the steam pressure urges the hot water through a rising pipe (with brewing vessel adapted for extraction under pressure A47J 31/30))

31/06 . Filters or strainers for coffee or tea makers (; Holders therefor)

31/0605 . . (with a valve at the filter-outlet; Anti-drip devices (A47J 31/0615, A47J 31/0621 take precedence))

31/061 . . (activated by the beverage container)

31/0615 . . . (with special arrangements for making tea or the like, e.g. where the infusion liquid is kept a certain time in the filter before flowing out)

31/0621 . . . (with means for varying the infusion outflow velocity, e.g. for brewing smaller quantities)

31/0626 . . . (with means for securing the filter holder to the beverage container)

31/0631 . . . (with means for better or quicker spreading the infusion liquid over the filter (spreader plates for drip coffee makers A47J 31/4478))

31/0636 . . . (suspended from the top of the beverage container so as to remain in contact with the prepared infusion (tea eggs A47G 19/16))
Cooking: Apparatus for making beverages

31/0642 . . . [specially adapted to cooperate with a cartridge, e.g. having grooves or protrusions to separate cartridge from the bottom of the brewing chamber (A47J 31/0668 takes precedence)]
31/0647 . . . [with means to adjust the brewing chamber volume to accommodate different quantities of brewing material]
31/0652 . . . [with means to by-pass a quantity of water, e.g. to adjust beverage strength]
31/0657 . . . [for brewing coffee under pressure, e.g. for espresso machines]
31/0663 . . . [to be used with loose coffee (A47J 31/0689 takes precedence)]
31/0668 . . . [specially adapted for cartridges]
31/0673 . . . [Means to perforate the cartridge for creating the beverage outlet]
31/0678 . . . [Means to separate the cartridge from the bottom of the brewing chamber, e.g. grooves or protrusions]
31/0684 . . . [Sealing means for sealing the filter holder to the brewing head]
31/0689 . . . [Reusable cartridges suitable to be opened for being filled with brewing material and to be closed to envelope the brewing material therein (disposable cartridges to be filled by the user with brewing material A47J 31/08; disposable cartridges already filled with brewing material B65D 85/8043)]
2031/0694 . . . [with indicating means to aid the measurement of ground coffee contained therein]
31/08 . . . Paper filter inlays therefor (to be disposed after use)
31/085 . . . [to be used for brewing coffee under pressure, e.g. for espresso machines]
31/10 . . . Coffee-making apparatus, in which the brewing vessel, (i.e. water heating container,) is placed above or in the upper part of the beverage containers; (i.e. brewing vessel); Drip coffee-makers (with the water heating container in a higher position than the brewing vessel (without integral heating means A47J 31/02, with hot water transport by rising pipes A47J 31/057)]
31/103 . . . [with a siphon in the water heating container]
31/106 . . . [with a valve at the water heating container outlet]
31/12 . . . in which the vapour from the boiling water is raised above the filter and after condensing passes through the filter
31/14 . . . Coffee or tea-making apparatus with filters placed in or behind pouring spouts
31/16 . . . Inverting coffee-making apparatus in which water is boiled in the lower part and the apparatus is subsequently inverted to pass the water through the filter
2031/165 . . . [Stirring devices operatively connected to cooking utensils when being removable inserted in a cooking-vessel]
31/18 . . . Apparatus in which ground coffee or tea-leaves are immersed in the hot liquid in the beverage container (infusing bags A47G 19/16)
31/20 . . . having immersible, e.g. rotatable, filters
31/22 . . . Centrifuges for producing filtered coffee (A47J 31/20 takes precedence)

31/24 . . . Coffee-making apparatus in which hot water is passed through the filter under pressure, (i.e. in which the coffee grounds are extracted under pressure) (A47J 31/043 [and A47J 31/40] take precedence)
31/30 . . . [with hot water under steam pressure]
31/303 . . . [classical type of espresso apparatus, e.g. to put on a stove, i.e. in which the water is heated in a lower, sealed boiling vessel, raised by the steam pressure through a rising pipe and an extraction chamber and subsequently is collected in a beverage container on top of the water boiling vessel]
31/306 . . . [with integral electrical heating means]
31/32 . . . [with hot water under air pressure]
31/34 . . . [with hot water under liquid pressure]
31/36 . . . [with mechanical pressure-producing means]
31/3604 . . . [with a mechanism arranged to move the brewing chamber between loading, infusing and ejecting stations]
31/3609 . . . [Loose coffee being employed (with a filtering tape A47J 31/3652)]
31/3614 . . . [Means to perform transfer from a loading position to an infusing position]
31/3619 . . . [Means to remove coffee after brewing]
31/3623 . . . [Cartridges being employed (with tape of cartridges A47J 31/3652)]
31/3628 . . . [Perforating means therefor]
31/3632 . . . [Means to perform transfer from a loading position to an infusing position]
31/3638 . . . [Means to eject the cartridge after brewing]
31/3642 . . . [Cartridge magazines therefor]
31/3647 . . . [a tape being employed]
31/3652 . . . [the tape including only filtering means, i.e. not including brewing material]
31/3657 . . . [the tape including permeable cartridges]
31/3661 . . . [the tape including impermeable cartridges]
31/3666 . . . [whereby the loading of the brewing chamber with the brewing material is performed by the user (A47J 31/3604 takes precedence)]
31/3671 . . . [Loose coffee being employed]
31/3676 . . . [Cartridges being employed]
31/368 . . . [Permeable cartridges being employed]
31/3685 . . . [Brewing heads therefor]
31/369 . . . [Impermeable cartridges being employed]
31/3695 . . . [Cartridge perforating means for creating the hot water inlet (cartridge perforating means of the filter holder for creating the beverage outlet A47J 31/0673)]
31/38 . . . [operated by hand]
31/40 . . . [Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, water, sugar, cocoa, milk, tea]
31/401 . . . [whereby the powder ingredients and the water are delivered to a mixing bowl]
31/402 . . . [Liquid dosing devices]
31/404 . . . [Powder dosing devices]
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31/405 . . . [with one or more infusion chambers moving successively between loading, infusing and dumping stations]
31/407 . . . [with ingredient-containing cartridges; Cartridge-perforating means]
31/408 . . . [with means for moving a filter in the form of a tape (coffee or tea filters per se A47J 31/06)]
31/41 . . . of liquid ingredients
31/42 . . . Beverage-making apparatus with incorporated grinding or roasting means for coffee { (coffee mills A47J 42/08; coffee roasters in general A23N 12/08)}
31/44 . . . Parts or details {or accessories} of beverage-making apparatus {filters or strainers A47J 31/06}
31/4403 . . . [Constructional details]
31/4407 . . . [Lids, covers or knobs]
31/441 . . . {Warming devices or supports for beverage containers (warming devices not being part of the beverage-making apparatus A47J 36/24; stands or holders for beverage containers not being part of the beverage-making apparatus A47J 47/16)}
31/4414 . . . [Supports for empty beverage containers while not in use, e.g. for storing extra jug or cups]
31/4417 . . . . . . . [with heating means for pre-heating the empty beverage containers, e.g. cup-warmers]
31/4421 . . . . . . . . [Heated support plates]
31/4425 . . . . . . . . [Supports for beverage containers when filled or while being filled (supports allowing to adapt the beverage making apparatus to the size of the beverage container A47J 31/4482)]
31/4428 . . . . . . . . [with a drip-tray underneath]
31/4432 . . . . . . . . [with means for keeping the beverage warm (urms with devices for keeping beverages hot or cool A47J 31/50)]
31/4435 . . . . . . . . [Heated support plates]
31/4439 . . . . . . . . [with electrical heating elements (for flow-through heaters A47J 31/445)]
31/4442 . . . . . . . . [in combination with a continuous-flow heater for the water (continuous-flow heaters per se A47J 31/542)]
31/4446 . . . . . . . . [microwaves being used for the flow-through heater]
31/445 . . . . . . . . [an electrical heating element being used for the flow-through heater]
31/4453 . . . . . . . . [interposed between means for keeping the beverage warm and the beverage container, e.g. spacers for raising the beverage container from the heated support plate in order to reduce heat transfer]
31/4457 . . . . . . . . [Water-level indicators (water-level controls A47J 31/56)]
31/446 . . . . . . . . [Filter holding means; Attachment of filters to beverage-making apparatus]
31/4464 . . . . . . . . [by means of bayonet-type engagement]
31/4467 . . . . . . . . [by means of linear guides, e.g. drawer-type engagement]
31/4471 . . . . . . . . [by means of a hinge]
31/4475 . . . . . . . . [Hot water outlets for drip coffee makers]
31/4478 . . . . . . . . [Spreader plates (as an accessory of the filter A47J 31/0631)]
31/4482 . . . . [Details allowing to adapt the beverage-making apparatus to the size of the brewing vessel or the beverage container, e.g. with adjustable support for the beverage container or adjustable hot water outlet]
31/4485 . . . . [Nozzles dispensing heated and foamed milk, i.e. milk is sucked from a milk container, heated and foamed inside the device, and subsequently dispensed from the nozzle]
31/4489 . . . . [Steam nozzles, e.g. for introducing into a milk container to heat and foam milk]
31/4492 . . . . [Means to read code provided on ingredient pod or cartridge]
31/4496 . . . . [Means to produce beverage with a layer on top, e.g. of cream, foam or froth]
31/46 . . . . [Dispensing spouts, pumps, drain valves or like liquid transporting devices]

WARNING

Group A47J 31/46 is impacted by reclassification into groups A47J 31/461, A47J 31/468 and A47J 31/469.
Groups A47J 31/46, A47J 31/461, A47J 31/468 and A47J 31/469 should be considered in order to perform a complete search.

31/461 . . . . . . . . [Valves, e.g. drain valves]

WARNING

Group A47J 31/461 is incomplete pending reclassification of documents from group A47J 31/46.
Groups A47J 31/46 and A47J 31/461 should be considered in order to perform a complete search.

31/462 . . . . . . . . [with an intermediate liquid storage tank]
31/465 . . . . . . . . [for the heated water]
31/467 . . . . . . . . [for the infusion]
31/468 . . . . . . . . [Pumping means]

WARNING

Group A47J 31/468 is incomplete pending reclassification of documents from group A47J 31/46.
Groups A47J 31/46 and A47J 31/468 should be considered in order to perform a complete search.

31/469 . . . . . . . . [Details of hydraulic circuits]

WARNING

Group A47J 31/469 is incomplete pending reclassification of documents from group A47J 31/46.
Groups A47J 31/46 and A47J 31/469 should be considered in order to perform a complete search.

31/48 . . . . . . . . Clips, rings, hooks, or like devices to support filter parts while not in use
31/50 . . . . . . . . Urns with devices for keeping beverages hot or cool
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31/505 . . . [with heat-supply regulation]
31/52 . . . Alarm-clock-controlled mechanisms for coffee- or tea-making apparatus [; Timers for coffee- or tea-making apparatus; Electronic control devices for coffee- or tea-making apparatus]

**WARNING**

Group A47J 31/52 is impacted by reclassification into groups A47J 31/521, A47J 31/525, A47J 31/5251, A47J 31/5253 and A47J 31/5255.

All groups listed in this Warning should be considered in order to perform a complete search.

31/521 . . . [the electronic control being performed over a network, e.g. by means of a computer or a handheld device]

**WARNING**

Group A47J 31/521 is incomplete pending reclassification of documents from group A47J 31/52. Groups A47J 31/52 and A47J 31/521 should be considered in order to perform a complete search.

31/525 . . . [of flow rate]

**WARNING**

Group A47J 31/525 is incomplete pending reclassification of documents from group A47J 31/52. Groups A47J 31/52 and A47J 31/525 should be considered in order to perform a complete search.

31/5255 . . . [of temperature]

**WARNING**

Group A47J 31/5255 is incomplete pending reclassification of documents from group A47J 31/52.

31/54 . . . Water boiling vessels (in beverage making machines (as an independent water-boiling vessel A47J 27/21))
31/542 . . . [Continuous-flow heaters]
31/545 . . . [Control or safety devices]
31/547 . . . [using microwave energy for heating the water]
31/56 . . . having water-level controls; having temperature controls
31/58 . . Safety devices
31/60 . . Cleaning devices
31/605 . . [Water filters]

33/00 Camp cooking devices without integral heating means (travelling cookers with one burner A47J 36/26; other travelling cookers heated by petroleum, gasoline, spirit, or the like F24C)

36/00 Parts, details or accessories of cooking-vessels (A47J 27/00 - A47J 33/00 take precedence insofar as these parts, details or accessories are restricted to a particular kind of cooking-vessel provided for in a single one of these groups)
36/02 . . Selection of specific materials, e.g. heavy bottoms with copper inlay or with insulating inlay ([processes for applying fluoropolymers to obtain an anti-adhesive surface B05D 5/083])
36/022 . . [Cooking- or baking-vessels or supports thereof for using only once (eating- or serving-plates A47G 19/02; heat-resistant food-packages B65D 81/34)]
36/025 . . [Vessels with non-stick features, e.g. coatings]
36/027 . . [Cooking- or baking-vessels specially adapted for use in microwave ovens; Accessories therefor]
36/04 . . the materials being non-metallic
36/06 . . Lids or covers for cooking-vessels (specially adapted for pressure-cookers A47J 27/08 [, preventing boiling over of milk A47J 27/56; for draining liquids from cooking-vessels A47J 36/08; lids for frying-pans A47J 37/101; for deep fat fryers A47J 37/128])
36/08 . . for draining liquids from vessels
36/10 . . Lid-locking devices
36/12 . . Devices for holding lids in open position on the container
36/14 . . Pouring-spouts, e.g. as parts separate from vessel (spouts in general B05B 1/22)
36/16 . . Inserts ([for preventing boiling over of milk A47J 27/60; for frying pans A47J 37/108])
36/165 . . [Stirring devices operatively connected to cooking vessels when being removably inserted inside (mixing, whipping, or beating devices A47J 43/00)]
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36/18 . . . Boilers or utensils with sieves inserted therein, e.g. potato-cookers \{(perforated supports A47J 36/20; basting devices in frying-pans A47J 37/106)\}

36/20 . . . Perforated bases or perforated containers to be placed inside a cooking utensil \{(draining baskets, inserts with separation wall)\}

36/22 . . . Wire inserts \{(for deep fat fryers A47J 37/12)\}

36/24 . . . Warming devices \{(for warming food contained in vessels immersed in a water bath, e.g. chafers or steam tables (A47J 36/2438 takes precedence)\}

36/2405 . . . {Baby bottle warmers; Devices for warming baby food in jars}

36/2416 . . . {with a heat storage element or material}

36/2422 . . . {using solid fuel}

36/2427 . . . {with a burner, e.g. using gasolene}

36/2433 . . . {with electrical heating means}

36/2438 . . . {for warming a water-bath or -jacket}

36/2444 . . . {Drinking cups with heating means (drinking vessels with means for keeping liquid hot without integral heating means A47G 19/2288)}

36/245 . . . {using solid fuel}

36/2455 . . . {with a burner, e.g. using gasolene}

36/2461 . . . {with electrical heating means}

36/2466 . . . {with integral heating means}

36/2472 . . . {of the cordless type, i.e. whereby the cup can be plugged into an electrically-powered base element}

36/2477 . . . {using solid fuel, e.g. with candles (baby bottle warmers A47J 36/2422, drinking cups A47J 36/245)}

36/2483 . . . {with electrical heating means (baby bottle warmers A47J 36/2433, drinking cups A47J 36/2461)}

36/2488 . . . {having infrared radiating elements}

36/2494 . . . {using heat storage elements or materials, e.g. lava stones}

36/26 . . . Devices for warming vessels containing drinks or food, especially by means of burners; \{Warming devices with a burner, e.g. using gasolene\}; Travelling cookers, e.g. using petroleum or gasolene with one burner \{baby bottle warmers A47J 36/2411, drinking cups A47J 36/2444, using solid fuel A47J 36/2477, with electrical heating means A47J 36/2483\}

36/28 . . . Warming devices generating the heat by exothermic reactions, e.g. heat released by the contact of unslaked lime with water \{packages having self-contained heating means generating heat by an exothermic reaction B65D 81/3484, materials for producing heat by chemical reactions C09K 5/16\}

36/30 . . . Devices for warming by making use of burning cartridges or other chemical substances

36/32 . . . Time-controlled igniting mechanisms or alarm devices \{(electronic control devices in egg-cookers A47J 29/02; in coffee-makers A47J 31/52; in bread-toasters A47J 37/0814)\}

WARNING

Group A47J 36/32 is incomplete pending reclassification of documents from group A47J 27/62.
Group A47J 36/32 is also impacted by reclassification into group A47J 36/321.
Groups A47J 36/32, A47J 27/62 and A47J 36/321 should be considered in order to perform a complete search.

36/301 . . . Supports for cooking vessels \{(for kitchen utensils A47J 47/16)\}

36/36 . . . Shields or jackets for cooking utensils minimising the radiation of heat, fastened or movably mounted

36/38 . . . for withdrawing or condensing cooking vapours from cooking utensils (removing cooking fumes from domestic stoves or ranges F24C 15/20)

36/40 . . . Leak-stopping devices for repairing cooking-vessels

36/42 . . . Devices to prevent deposition of scale, i.e. fur, or the like

37/00 Baking; Roasting; Grilling; Frying (bakers' ovens, non-domestic baking apparatus or equipment A21B; domestic stoves or ranges F24B, F24C)

37/01 . . . Vessels uniquely adapted for baking \{(for use in baker's ovens A21B)\}

37/015 . . . \{electrically heated\}

37/04 . . . Roasting apparatus with movably-mounted food supports or with movable heating implements; Spits \{(field-cookers A47J 33/00, A47J 36/26, F24B)\}

37/041 . . . \{with food supports rotating about a horizontal axis (A47J 37/042 takes precedence)\}

37/042 . . . \{with food supports arranged on wheels or spiders rotating about a horizontal axis\}

37/043 . . . \{with food supports rotating about a vertical axis\}

37/044 . . . \{with conveyors moving in a horizontal or an inclined plane (A47J 37/045, A47J 37/046 take precedence)\}

37/045 . . . \{with endless conveyors\}

37/046 . . . \{with horizontal turntables\}

37/047 . . . \{with rotating drums or baskets\}

37/048 . . . \{Sausage grills with rotating rollers\}

37/049 . . . \{Details of the food supports not specially adapted to one of the preceding types of food supports\}

37/06 . . . Roasters; Grills; Sandwich grills

37/0605 . . . \{specially adapted for "raclettes"\}

37/0611 . . . \{the food being cooked between two heating plates, e.g. waffle-irons\}
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37/0617 . . . [with means to adjust the distance between heating plates]
37/0623 . . . [Small-size cooking ovens, i.e. defining an at least partially closed cooking cavity (A47J 37/0605 takes precedence; barbecues A47J 37/07)]
37/0629 . . . [with electric heating elements]
37/0635 . . . [with reflectors]
37/0641 . . . [with forced air circulation]
37/0647 . . . [with gas burners]
37/0652 . . . [with reflectors]
37/0658 . . . [specially adapted for cooking pizza]
37/0664 . . . [Accessories]
37/067 . . . [Horizontally disposed broiling griddles]
37/0676 . . . [electrically heated]
37/0682 . . . [gas-heated]
37/0688 . . . [Broilers with vertically disposed heat sources and food supports]
37/0694 . . . [Broiling racks]
37/07 . . . Roasting devices for outdoor use; Barbecues ([field-cookers A47J 33/00, A47J 36/26])
37/0704 . . . [with horizontal fire box]
37/0709 . . . [with electric heating elements]
37/0713 . . . [with gas burners]
37/0718 . . . [with vertical fire box]
37/0722 . . . [with electric heating elements]
37/0727 . . . [with gas burners]
37/0731 . . . [with a fire box movable between different positions, e.g. horizontal, vertical,inclined]
37/0736 . . . [with electric heating elements]
37/074 . . . [with gas burners]
37/0745 . . . [with motor-driven food supports]
37/075 . . . [steam- or hot air-driven]
37/0754 . . . [with blowers providing forced air circulation]
37/0759 . . . [constructed from refractory blocks]
37/0763 . . . [Small-size, portable barbecues]
37/0768 . . . [Disposable barbecue packages containing a quantity of fuel, e.g. charcoal]
37/0772 . . . [for use in a fireplace]
2037/0777 . . . [with foldable construction for storage or transport purposes]
37/0781 . . . [Barbecue tables, e.g. central grilling areas surrounded by an eating table]
37/0786 . . . [Accessories]
37/079 . . . [Charcoal igniting devices]
2037/0795 . . . [Adjustable food supports, e.g. for height adjustment]
37/08 . . . Bread-toasters (electric heating elements H05B)
37/0807 . . . [with radiating heaters and reflectors]
37/0814 . . . [with automatic bread ejection or timing means (A47J 37/0857 takes precedence)]
37/0821 . . . [with mechanical clockwork timers]
37/0828 . . . [with pneumatic or hydraulic timers]
37/0835 . . . [with thermal timers]
37/0842 . . . [with electronic timers]
37/085 . . . [with means for sensing the bread condition]
37/0857 . . . [with bread supports or heating means movable during the toasting operation (meat roasting A47J 37/04)]
37/0864 . . . [Bun toasters]
37/0871 . . . [Accessories]
37/0878 . . . [Warming racks]
37/0885 . . . . . . [Toaster inserts; Removable bread tongs]
37/0892 . . . . . . [Devices for providing browning patterns on the toasted surface]
37/10 . . . Frying-pans, including lids or basting devices
37/101 . . . . . . [Lids]
37/103 . . . . . . [Broiling- or heating-lids]
37/105 . . . . . . [electrically heated]
37/106 . . . . . . [Basting devices]
37/108 . . . . . . [Accessories, e.g. inserts, plates to hold food down during frying]
37/12 . . . Deep fat fryers, including apparatus specially adapted for frying fish [(frying under pressure A47J 37/0817; devices for withdrawing or condensing frying vapours A47J 36/38)]
37/1204 . . . [for domestic use]
37/1209 . . . . . . [electrically heated]
37/1214 . . . . . . [the food being transported through an oil-bath (for bakery products A21B 5/08)]
37/1219 . . . . . . [with means for lowering or raising the frying basket]
37/1223 . . . . . . [with means for filtering the frying liquid]
37/1228 . . . . . . [Automatic machines for frying and dispensing metered amounts of food]
37/1233 . . . . . . [the frying liquid being heated outside the frying vessel, e.g. by pumping it through a heat exchanger]
37/1238 . . . . . . [and the oil being returned to the frying vessel by means of a spraying system]
37/1242 . . . . . . [heated with burners]
37/1247 . . . . . . [Details of the burners; Details of the channels for guiding the combustion gases]
37/1252 . . . . . . [of the pulse combustion type]
37/1257 . . . . . . [electrically heated (A47J 37/1209 takes precedence)]
37/1261 . . . . . . [Details of the heating elements; Fixation of the heating elements to the frying vessel]
37/1266 . . . . . . [Control devices, e.g. to control temperature, level or quality of the frying liquid]
37/1271 . . . . . . [Accessories]
37/1276 . . . . . . [Constructional details (A47J 37/1247 and A47J 37/1261 take precedence)]
37/128 . . . . . . [Lids or covers]
37/1285 . . . . . . [Valves or arrangements to drain used oil or food particles settled at the bottom of the frying vessel]
37/129 . . . . . . [Frying vessels]
37/1295 . . . . . . [Frying baskets or other food holders]

39/00 Heat-insulated warming chambers; Cupboards with heating arrangements for warming kitchen utensils
39/003 . . . [with forced air circulation]
39/006 . . . [for either storing or preparing or for preparing food on serving trays, e.g. heating, thawing, preserving]
39/02 . . . Dish-warmers; Devices to keep food hot (A47J 39/006 takes precedence)
39/025 . . . [for warming dishes without food before use]
41/00 Thermally-insulated vessels, e.g. flasks, jugs, jars (containers with thermal insulation in general B65D 81/38)
41/0005 . . . [comprising a single opening for filling and dispensing provided with a stopper]
Cooking; Apparatus for making beverages

42/00 Coffee mills; Spice mills (as part of universal or multi-purpose machines A47J 43/04, A47J 44/00; grinding or pulverising in general B02C)

42/02 having grinding cones
42/04 hand driven
42/06 mechanically driven
42/08 adjusting mechanisms
42/10 Grinding cones
42/12 having grinding discs
42/14 hand driven
42/16 mechanically driven
42/18 adjusting mechanisms
42/20 Grinding discs
42/22 having pulverising beaters or rotary knives
42/24 hand driven
42/26 mechanically driven
42/28 Beaters or knives
42/30 having perforated container for the ground material; having sieves
42/32 with other grinding or pulverising members
42/34 hand driven
42/36 mechanically driven
42/38 parts or details
42/40 relating to discharge, receiving container or the like; Bag clamps, e.g. with means for actuating electric switches

42/42 . . . Drawers for receiving ground material
42/44 . . . Automatic starting or stopping devices (bag clamps with means for actuating switches A47J 42/40); Warning devices
42/46 . . . Driving mechanisms; Coupling to drives
42/48 . . . Attachment of mills to tables, walls, or the like (attachment of household machines in general to tables, walls, or the like A47J 45/02)
42/50 . . . Supplying devices, e.g. funnels; Supply containers
42/52 . . . Coffee mills combined with roasting devices (combinations of coffee mills with coffee-making machines A47J 31/42; coffee-roasting devices per se A23N 12/00)
42/54 . . . Cooling
42/56 . . . Safety devices (for food processors A47J 43/075)

43/00 Miscellaneous implements for preparing or holding food

43/04 Machines for domestic use not covered elsewhere, e.g. for grinding, mixing, stirring, kneading, emulsifying, whipping or beating foodstuffs, e.g. power-driven (food straining implements A47J 19/00; devices for grating A47J 32/25; multi-purpose machines A47J 44/00)

43/042 . . . Mechanically-driven liquid shakers (hand-held shakers A47J 43/27)

43/044 . . . with tools driven from the top side
2043/04409 . . . [Apparatus of hand held type]
2043/04418 . . . [with housing extending perpendicular, e.g. horizontally, from the tool axis]
2043/04427 . . . [with housing extending vertically in line with the tool axis]
2043/04436 . . . [attachable to the bowl]
2043/04445 . . . [attachable to a stand]
2043/04454 . . . [Apparatus of counter top type]
2043/04463 . . . [with a mixing unit rigidly fixed on the housing and a movable support for the bowl]
2043/04472 . . . [with a mixing unit vertically movable relative to the support]
2043/04481 . . . [with a mixing unit pivotable on the support]
2043/04499 . . . [with a mixing unit detachable from the support]

43/046 . . . with tools driven from the bottom side
43/0465 . . . [with magnetic drive]
43/06 . . . with a plurality of interchangeable working units, e.g. with a single driving-unit
43/07 . . . Parts or details, e.g. mixing tools, whipping tools
43/0705 . . . [for machines with tools driven from the upper side (A47J 43/0727 - A47J 43/08 take precedence)]
43/0711 . . . [mixing, whipping or cutting tools]
43/0716 . . . [for machines with tools driven from the lower side (A47J 43/0727 - A47J 43/08 take precedence)]
43/0722 . . . [Mixing, whipping or cutting tools]
43/0727 . . . [Mixing bowls]
2043/0733 . . . [Weighing means]
2043/0738 . . . [Means for storing accessories]
2043/0744 . . . [Means for storing the power cord]
43/075 . . . [Safety devices]
43/0755 . . . [for machines with tools driven from the upper side]
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43/0761 . . . [for machines with tools driven from the lower side]
43/0766 . . . {activated by the proper positioning of the mixing bowl}
43/0772 . . . {activated by the proper positioning of the cover}
43/0777 . . . [in which the activating element on the cover transmits a signal to a safety device in the base element via the mixing bowl movably seated on this base element, e.g. pin on the cover moves a pushrod in the bowl handle to operate safety switch in the base element]
43/0783 . . . [activated by the proper positioning of a separate food chute on the cover]
43/0788 . . . {activated by the proper positioning of a food chute protector}
43/0794 . . . [in which operation is not possible without the use of a food pusher]
43/08 . . . Driving mechanisms
43/082 . . . [for machines with tools driven from the upper side (A47J 43/087, A47J 43/09 take precedence)]
43/085 . . . [for machines with tools driven from the lower side (A47J 43/087, A47J 43/09 take precedence)]
43/087 . . . [for machines with several driving units (A47J 43/09 takes precedence)]
43/09 . . . with fluid drive, e.g. by jets
43/10 . . . Egg-whisks; Cream-beaters, i.e. hand implements (or hand-driven devices)
43/1006 . . . [Hand-driven mixing devices with rotating tools, e.g. sticking out from the bottom of the mixing receptacle; with rotating bowls; with an additional function]
43/1012 . . . [the mixing device being fitted on a post beside the mixing receptacle]
43/1018 . . . [the mixing device being fitted on the cover of, or directly on, the stationary mixing receptacle]
43/1025 . . . [with gears between the drive axis and the driven axis, e.g. for planetary motion of tools or for coaxial tools]
43/1031 . . . [the mixing device being provided with a grip to be held by one hand, the other hand being used for driving the mixing device (A47J 43/105, A47J 43/1056 take precedence)]
43/1037 . . . [with two or more mixing tools]
43/1043 . . . [with coaxial tools]
43/105 . . . [the rotating tools being driven by a reciprocating member, e.g. by a rack-and-pinion mechanism or by a tangentially-pulled rope]
43/1056 . . . [the tools rotating about a horizontal or inclined axis]
43/1062 . . . [the mixing devices being provided with an additional liquid receptacle, e.g. for adding oil during mixing]
43/1068 . . . [Construction of the rotating mixing tools]
43/1075 . . . [Hand-driven mixing devices with reciprocating or oscillating tools]
43/1081 . . . [with rectilinearly reciprocating tools]
43/1087 . . . [Whisks or similar tools comprising mixing wires]
43/1093 . . . [the wires being of the closed-loop type mounted at the end of a shaft]
43/12 . . . Whipping by introducing a stream of gas (milk-foaming devices adapted to coffee-making machines A47J 31/4485, A47J 31/4489; aerating or deaerating milk A01J 11/04; making ice-cream A23G 9/20)]
43/121 . . . [Devices using a static mixing element; Static mixing elements therefor]
43/122 . . . [the mixing element being of considerable length, e.g. labyrinth-type mixing elements]
43/123 . . . [Self-contained units for making whipped cream]
43/125 . . . [Receptacles with gas-introducing means at the bottom; Gas pumping means therefor]
43/126 . . . [Tools whereby gas is introduced through their axis; Gas pumping means therefor]
43/127 . . . [Devices using a rotary mixing element, e.g. driven by the gas]
43/128 . . . [Parts; Accessories, e.g. valves]
43/14 . . . Devices (or machines) for opening raw eggs or separating the contents thereof ((openers for boiled eggs A47G 19/28)]
43/145 . . . [Machines therefor]
43/16 . . . Implements for introducing fat, bacon or the like into meat; Larding-pins
43/18 . . . Holding or clamping devices for supporting fowl, venison, or other meat, or vegetables, during cooking or during subsequent cutting
43/20 . . . Shapes for preparing foodstuffs, e.g. meat-patty moulding devices, pudding moulds
43/22 . . . Kitchen sifters
43/24 . . . Devices for washing vegetables or the like (: Colanders (machines for washing potatoes, beets, apples on an industrial scale A23N 12/023; machines for washing grain B02B 1/04)]
43/25 . . . Devices for grating
43/255 . . . [with grating discs or drums]
43/26 . . . Nutcrackers (pliers B25B 7/00)
43/27 . . . for mixing drinks; Hand-held shakers (mechanically driven A47J 43/042)
43/28 . . . Other culinary hand implements, e.g. spatulas, pincers, forks or like food holders, ladles, skimming ladles, cooking spoons; Spoon-holders attached to cooking pots (mesuring spoons for powders A61J, measuring flasks B01L 3/00); calibrated capacity measures for fluids or fluent solid material G01F 19/00; weighing spoons G01G 19/56)]
43/281 . . . [Cooking spoons; Ladles (table spoons A47G 21/02, A47G 21/04)]
43/282 . . . [Spoons for serving ice-cream]
43/283 . . . [Tongs; Devices for picking, holding or rotating food]
43/284 . . . [Hand implements for separating solids from liquids or liquids from liquids]
43/285 . . . [Skimmers; Skimming ladles]
43/286 . . . [Hand implements for draining preserving liquid from canned food, e.g. tuna-squeezer devices for squeezing-out liquid from liquid-containing material not used as kitchen equipment B30B 9/02; containers with provisions for draining away fluids B65D 81/26)]
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43/287 . . { Holders for spoons or the like attached to cooking pots (plates with integral holders for spoons A47G 19/06) }
43/288 . . { Spatulas; Scrapers; Multi-purpose hand implements }

44/00 Multi-purpose machines for preparing food (with several driving units)
44/02 . . with provisions for drive either from top or from bottom, e.g. for separately-driven bowl

Other household implements or utensils

45/00 Devices for fastening or gripping kitchen utensils (or crockery) (kitchen cabinets with provisions for attachment of kitchen implements or utensils A47B 77/00)
45/02 . . for fastening kitchen utensils to tables, walls, or the like (for household utensils A47G 29/087)
45/06 . . Handles for hollow-ware articles (handles for metallic holders B65D)
45/061 . . { Saucepan, frying-pan handles (A47J 45/07 takes precedence) }
45/062 . . { Bowl handles (A47J 45/07 takes precedence) }
45/063 . . { Knobs, e.g. for lids (A47J 45/07 takes precedence) }
45/065 . . { Bails, e.g. for pails, for kettles (A47J 45/07 takes precedence) }
45/066 . . { Collar handles (A47J 45/07 takes precedence) }
45/067 . . { Handles for coffee pots or the like (A47J 45/07 takes precedence) }
45/068 . . { Handles having indicating means, e.g. for temperature (A47J 45/07 takes precedence) }
45/07 . . of detachable type (separate handles, devices for gripping hot cooking utensils) A47J 45/10
45/071 . . . . { Saucepan, frying-pan handles }
45/072 . . . . { Bowl handles }
45/074 . . . . { Knobs, e.g. for lids }
45/075 . . . . { Bails, e.g. for pails, for kettles }
45/077 . . . . { Collar handles }
45/078 . . . . { Handles for coffee pots or the like }
45/08 . . . . Heat-insulating handles (of detachable type A47J 45/07)
45/085 . . . . { Heat shields for handles }
45/10 . . Devices for gripping or lifting hot cooking utensils, e.g. pincers, separate pot handles, fabric or like pads (egg grasping devices A47J 29/06; plate-holders A47G 19/08)

47/00 Miscellaneous kitchen containers, stands, or the like (bowls for food processors A47J 43/0727; containers in general B65D); Cutting-boards, e.g. for bread (with slicing devices B26D)
47/005 . . { Cutting boards }
47/01 . . with dispensing devices (for butter or the like A47J 9/00; for table use A47G 19/32)
47/02 . . Closed containers for foodstuffs (for table use A47G 19/30)
47/04 . . for granulated foodstuffs
47/06 . . . . with arrangements for keeping fresh
47/08 . . . . for non-granulated foodstuffs
47/10 . . . . with arrangements for keeping fresh
47/12 . . . . Bread boxes
47/14 . . . . Carriers for prepared human food (lunch boxes, picnic boxes, or the like A45C 11/20)
47/145 . . . . { Hand carriers for pizza delivery, e.g. with thermal insulation, heating means or humidity control }
47/16 . . Stands, or holders for kitchen articles (racks A47B)
47/18 . . Pails for kitchen use
47/19 . . . . Edge protectors; Floor protectors
47/20 . . . . Grids, racks or other supports removably mounted in, on or over sinks (splash guards for sinks E03C 1/181, E03C 1/186)

WARNING
Group A47J 47/20 is impacted by reclassification into groups E03C 1/181 and E03C 1/186.
Groups A47J 47/20, E03C 1/181, and E03C 1/186 should be considered in order to perform a complete search.

2201/00 Devices having a modular construction

Other household implements or utensils

2202/00 Devices having temperature indicating means
2203/00 Devices having filling level indicating means