

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

A47 FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL

(NOTE omitted)

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.

<p>9/00 Apparatus or utensils for shaping {or dispensing portions of} butter or the like (for use in dairies A01J 19/00, A01J 21/00)</p> <p>9/001 . {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)}</p> <p>9/002 . {by forming, e.g. peeling off or extruding, curls or rings}</p> <p>9/003 . {by slicing slabs or prints into pats}</p> <p>9/005 . . {combined with extrusion or molding}</p> <p>9/006 . . {with automatic feeding mechanism}</p> <p>9/007 . {by molding}</p> <p>2009/008 . {with scales or indicators to determine the amount to be dispensed or separated}</p> <p>17/00 Household peeling, stringing, or paring implements or machines (for foodstuffs in bulk A23N)</p> <p>17/02 . Hand devices for scraping or peeling vegetables or the like</p> <p>17/04 . . Citrus fruit peelers</p> <p>17/06 . Devices for stringing beans</p> <p>17/08 . Asparagus peelers</p> <p>17/10 . Vegetable or fruit grippers or holders for use while peeling</p> <p>17/14 . Machines for peeling</p> <p>17/16 . . Peeling machines with rotary fruit-holding spindles and fixed or movable peeler blades</p> <p>17/18 . . with scraping discs or rotors</p> <p>17/20 . . with brushes</p> <p>19/00 Household machines for straining foodstuffs; Household implements for mashing or straining foodstuffs (for foodstuffs in bulk A23N)</p> <p>19/005 . {Hand devices for straining foodstuffs}</p> <p>19/02 . Citrus fruit squeezers; Other fruit juice extracting devices</p> <p>19/023 . . {including a pressing cone or reamer}</p> <p>19/025 . . {including a pressing screw}</p> <p>19/027 . . {Centrifugal extractors}</p> <p>19/04 . Household implements for mashing potatoes or other foodstuffs</p> <p>19/06 . Juice presses for vegetables</p>	<p>21/00 Devices for removing stalks from fruit (machines A23N 15/02)</p> <p>23/00 Devices for stoning fruit (machines for stoning fruit in bulk A23N 3/00, A23N 4/00)</p> <p>25/00 Devices for coring fruit (machines for coring fruit in bulk A23N 3/00, A23N 4/12)</p> <p>Cooking; Apparatus for making beverages</p> <p>27/00 Cooking-vessels (A47J 29/00 - A47J 33/00 take precedence)</p> <p>27/002 . {Construction of cooking-vessels; Methods or processes of manufacturing specially adapted for cooking-vessels}</p> <p>27/004 . {with integral electrical heating means (drinking cups with integral heating means A47J 36/2466)}</p> <p>2027/006 . {especially adapted for preparing pasta}</p> <p>2027/008 . . {for cooking pasta under pressure}</p> <p>27/02 . with enlarged heating surfaces</p> <p>27/022 . . with enlarged bottom</p> <p>27/024 . . with liquid-heating tubes extending outside the vessel</p> <p>27/026 . . with conduits through the vessel for circulating heating gases</p> <p>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)}</p> <p>2027/043 . . {for cooking food in steam}</p> <p>2027/046 . . {Devices for extracting fruit juice by means of steam}</p> <p>27/05 . . Tier steam-cookers, i.e. with steam-tight joints between cooking-vessels stacked while in use</p> <p>27/06 . Steam-heated kettles for domestic use</p> <p>27/08 . Pressure-cookers; Lids or locking devices specially adapted therefor</p> <p>27/0802 . . {Control mechanisms for pressure-cookers}</p> <p>27/0804 . . {Locking devices}</p> <p>27/0806 . . . {of the bayonet-type}</p> <p>27/0808 . . . {of the bridge-type}</p> <p>27/0811 . . . {using a number of pivotable clamps along the circumference of the cooking-vessel}</p>
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- 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}
- 27/082 . . with inserts for cooking different foods separately at the same time; Inserts therefor
- 27/084 . . with adjustable volume; Tier pressure-cookers
- 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
- 27/092 . . . Devices for automatically releasing pressure before opening
- 27/10 . . Cooking-vessels with water-bath arrangements for domestic use
- 27/12 . . Multiple-unit cooking vessels
- 27/122 . . with adaptation of shape to that of adjacent vessels for forming a unit, e.g. sector-shaped
- 27/13 . . Tier cooking-vessels
- 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
- 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}
- 27/21083 {with variable operating parameters, e.g. temperature or boiling period}
- 27/21091 {of electronic type}
- 27/211 {using a thermomagnetic material}
- 27/21108 {using a bimetallic element}
- 27/21116 {specially adapted for detecting boiling of the water ([A47J 27/21125](#) takes precedence)}
- 27/21125 {the bimetallic element being a snapping disc}
- 27/21133 {using a fusible material or a shape memory effect [SME] material}
- 27/21141 {based on the weight of the water vessel}
- 27/2115 {using a float}
- 27/21158 . . . {Devices to detect overheating or boiling with a single control element or unit}
- 27/21166 . . {Constructional details or accessories}
- 27/21175 . . . {Covers}
- 27/21183 . . . {Water filters (water filters for coffee machines [A47J 31/605](#))}
- 27/21191 {Pouring spouts}
- 27/212 . . with signaling means, e.g. whistling kettles
- 27/56 . . Preventing boiling over, e.g. of milk (appliances for preventing or destroying foam in dairy apparatus for treating milk [A01J 11/02](#))
- 27/57 . . Milk-boiling vessels with water or steam jackets, e.g. with signaling means
- 27/575 {Milk-boiling vessels with water-bath (cooking- vessels with water-bath [A47J 27/10](#), [A47J 27/18](#))}
- 27/58 . . Cooking utensils with channels or covers collecting overflowing liquid
- 27/60 . . Funnel-like inserts; Grooved plates to be placed on the bottom of cooking utensils
- 27/62 . . by devices for automatically controlling the heat supply by switching off heaters or for automatically lifting the cooking-vessels
- 27/64 . . . for automatically lifting the cooking-vessels
- 29/00 Egg-cookers**
- 29/02 . . for eggs or poached eggs; Time-controlled cookers
- 29/04 . . Cookers for eggs with devices for automatically lifting the eggs from the boiling water
- 29/06 . . Grasping devices for eggs; Supporting devices for eggs during boiling
- 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 filter (filters [A47J 31/06](#))
- 31/04 . . Coffee-making apparatus with rising pipes
- 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}
- 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](#))}
- 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}
- 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} ([A47J 31/02](#) takes precedence)
- 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 removably 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
- 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}
- 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}
- 31/3633 {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}
- 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}
- 31/41 . . of liquid ingredients
- 31/42 . Beverage-making apparatus with incorporated grinding or roasting means for coffee {(coffee mills [A47J 42/00](#); 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 (urns 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}
- 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}
- 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
- 31/461 . . . {Valves, e.g. drain valves}
- 31/462 . . . {with an intermediate liquid storage tank}
- 31/465 {for the heated water}
- 31/467 {for the infusion}
- 31/468 . . . {Pumping means}
- 31/469 . . . {Details of hydraulic circuits}
- 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
- 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)
- 31/521 . . . {the electronic control being performed over a network, e.g. by means of a computer or a handheld device}
- 31/525 . . . {the electronic control being based on monitoring of specific process parameters}
- 31/5251 {of pressure}
- 31/5253 {of temperature}
- 31/5255 {of flow rate}
- 31/54 . . Water boiling vessels {in beverage making machines}
- 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](#))
- 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
- 36/022 . . {Cooking- or baking-vessels or supports thereof for using only once (eating- or serving-plates for using only once [A47G 19/02](#))}
- 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](#))
- 36/062 . . {non-integrated lids or covers specially adapted for deep fat fryers}
- 36/064 . . {non-integrated lids or covers specially adapted for frying-pans}
- 36/066 . . . {Broiling- or heating-lids}
- 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
- 36/16 . . Inserts
- 36/165 . . {Stirring devices operatively connected to cooking vessels when being removably inserted inside (mixing, whipping, or beating devices [A47J 43/00](#))}
- 36/18 . . Boilers or utensils with sieves inserted therein, e.g. potato-cookers
- 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
- 36/2405 . . {for warming food contained in vessels immersed in a water bath, e.g. chafers or steam tables ([A47J 36/2438](#) takes precedence)}
- 36/2411 . . {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}
- 36/2483 . . {with electrical heating means}
- 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 gasoline}; Travelling cookers, e.g. using petroleum or gasoline with one burner
- 36/28 . . Warming devices generating the heat by exothermic reactions, e.g. heat released by the contact of unslaked lime with water
- 36/30 . . Devices for warming by making use of burning cartridges or other chemical substances
- 36/32 . . Time-controlled igniting mechanisms or alarm devices
- 36/321 . . {the electronic control being performed over a network, e.g. by means of a handheld device}
- 36/34 . . Supports for cooking-vessels
- 36/36 . . Shields or jackets for cooking utensils minimising the radiation of heat, fastened or movably mounted
- 36/38 . . for withdrawing or condensing cooking vapors from cooking utensils
- 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
- 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}
- 2037/0617 . . . {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)}
- 37/0629 . . . {with electric heating elements}

- 37/0635 {with reflectors}
- 37/0641 {with forced air circulation, e.g. air fryers}
- 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
- 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
- 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}
- 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, e.g. frying pans with integrated lids or basting devices
- 37/101 . . {Integrated lids}
- 37/103 . . . {Broiling- or heating-lids}
- 37/105 . . {electrically heated}
- 37/106 . . {Integrated basting devices}
- 37/108 . . {Accessories, e.g. inserts, plates to hold food down during frying}
- 37/12 . . Deep fat fryers, e.g. for frying fish or chips
- 37/1204 . . {for domestic use}
- 37/1209 . . . {electrically heated}
- 37/1214 . . . {the food being transported through an oil-bath}
- 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 {Integrated 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 and preparing or for preparing food on serving trays, e.g. heating, thawing, preserving}
- 39/02 . . Dish-warmers; Devices to keep food hot
- 39/025 . . . {for warming dishes without food before use}
- 41/00 Thermally-insulated vessels, e.g. flasks, jugs, jars**
- 41/0005 . . {comprising a single opening for filling and dispensing provided with a stopper}
- 41/0011 . . . {the stopper being completely removed from the opening during dispensing}
- 41/0016 . . . {the stopper remaining in the opening and clearing a passage way between stopper and vessel for dispensing}
- 41/0022 {the stopper comprising two or more pieces movable relatively to each other for opening or closing the dispensing passage}
- 41/0027 . . . {the stopper incorporating a dispensing device, i.e. the fluid being dispensed through the stopper}
- 41/0033 {comprising a pumping system}
- 41/0038 . . . {comprising additional heating or cooling means, i.e. use of thermal energy in addition to stored material}
- 41/0044 . . . {comprising heat or cold storing elements or material, i.e. energy transfer within the vessel}

- 41/005 . . {comprising heat or cold producing means, i.e. energy transfer from outside the vessel}
- 41/0055 . {Constructional details of the elements forming the thermal insulation ([A47J 41/02](#) takes precedence)}
- 41/0061 . . {the elements being detachable or the food holding vessel being replaceable}
- 41/0066 . . {Flexible containers or jackets}
- 41/0072 . . {Double walled vessels comprising a single insulating layer between inner and outer walls}
- 41/0077 . . . {made of two vessels inserted in each other}
- 41/0083 . {Accessories}
- 41/0088 . . {Inserts; Devices attached to the stopper}
- 41/0094 . . {Indicating means, e.g. for level or temperature}
- 41/02 . Vacuum-jacket vessels, e.g. vacuum bottles
- 41/022 . . {Constructional details of the elements forming vacuum space}
- 41/024 . . . {made of glass}
- 41/026 {Protective elements therefor, e.g. liner, support or housing}
- 41/028 . . . {made of metal}
- 42/00 Coffee mills; Spice mills**
- 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
- 42/50 . . Supplying devices, e.g. funnels; Supply containers
- 42/52 . . Coffee mills combined with roasting devices
- 42/54 . . Cooling
- 42/56 . . Safety devices [{\(for food processors A47J 43/075\)}](#)
- 43/00 Implements for preparing or holding food, not provided for in other groups of this subclass**
- 43/005 . {Basting devices [\(basting devices integrated in frying pans A47J 37/106\)](#)}
- 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
- 43/042 . . Mechanically-driven liquid shakers
- 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}
- 2043/0449 {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}
- 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 removably 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
- 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
- 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
- 43/25 . . Devices for grating
- 43/255 . . {with grating discs or drums}
- 43/26 . . Nutcrackers
- 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
- 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-squeezers ([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](#))}
- 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
- 45/06 . . Handles for hollow-ware articles
- 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
- 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

47/00 Kitchen containers, stands or the like, not provided for in other groups of this subclass; Cutting-boards, e.g. for bread {(bowls for food processors [A47J 43/0727](#))}

- 47/005 . {Cutting boards}
- 47/01 . with dispensing devices
- 47/02 . Closed containers for foodstuffs
- 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
- 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](#))

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