

CPC**COOPERATIVE PATENT CLASSIFICATION****D06F**

LAUNDERING, DRYING, IRONING, PRESSING OR FOLDING TEXTILE ARTICLES (apparatus for blocking, pressing, steaming, or stretching hats [A42C](#); treating textile materials by liquids, gases or vapours [D06B](#); chemical matters, see [D06L](#), [D06M](#))

NOTE

This subclass covers:

- domestic or laundry dry-cleaning apparatus using volatile solvents;
- domestic, laundry, or tailors' ironing or other hot-pressing of clothes, linen, or other textile articles.

This subclass does not cover:

- apparatus for wringing, washing, dry-cleaning, ironing, or other hot-pressing of textiles in manufacturing operations, which is covered by subclass [D06B](#), [D06C](#).

Guidance heading: Washing; Rinsing; Dry-cleaning

D06F 1/00 **Washing receptacles** (of washing machines [D06F 37/00](#), [D06F 39/00](#))

- D06F 1/02 . Wash-tubs; Supports therefor
- D06F 1/04 . . the tub walls or bottom having corrugations ([rubbing boards D06F 3/02](#))
- D06F 1/06 . Wash-boiler receptacles
- D06F 1/08 . . with special means for water circulation by heat, e.g. fountain-washers
- D06F 1/10 . Covers; Handles
- D06F 1/12 . Racks or other rigid open containers of skeleton or like apertured construction supporting clothes in washing receptacles

D06F 3/00 **Hand rubbing apparatus** ([corrugated tub-walls D06F 1/04](#))

- D06F 3/02 . Rubbing boards
- D06F 3/04 . Hand rubbers, e.g. gloves with corrugated surfaces

D06F 5/00 **Hand implements for washing purposes, e.g. sticks** ([hand rubbing appliances D06F 3/00](#); [brushes A46B](#))

- D06F 5/005 . {Receptacles for washing articles, e.g. hosiery, by shaking or squeezing}
- D06F 5/02 . Plungers, dollies, pounders, squeezers, or the like
- D06F 5/04 . . adapted for removable mounting on receptacles such as wash-tubs
- D06F 5/06 . Grippers
- D06F 7/00** **Washing devices adapted to be used independently of any particular receptacle, e.g. for removable mounting on wash-tubs, bath-tubs, or the like**
- D06F 7/02 . of the rotary-impeller type
- D06F 7/04 . of the vibrator type
- D06F 7/06 . agitating the washing liquid by air
- D06F 9/00** **Brushing-type washing machines**
- D06F 11/00** **Washing machines using rollers, e.g. of the mangle type**
- D06F 13/00** **Washing machines having receptacles, stationary for washing purposes, with agitators therein contacting the articles being washed (plungers or the like adapted for removable mounting on receptacles [D06F 5/04](#); washing devices adapted to be used independently of any particular receptacle [D06F 7/00](#))**
- D06F 13/02 . wherein the agitator has an oscillatory rotary motion only
- D06F 13/04 . wherein the agitator has an axial motion only
- D06F 13/06 . wherein the agitator has both rotary, e.g. oscillating rotary, motion and axial motion
- D06F 13/08 . wherein the agitator has a gyratory or orbital motion
- D06F 15/00** **Washing machines having beating, rubbing or squeezing means in receptacles stationary for washing purposes (plungers or the like adapted for removable mounting on receptacles [D06F 5/04](#); mangle-type washing machines [D06F 11/00](#))**
- D06F 15/02 . wherein the articles being washed are squeezed by a flexible diaphragm or bag
- D06F 17/00** **Washing machines having receptacles, stationary for washing purposes, wherein the washing action is effected solely by circulation or agitation of the washing liquid (washing devices adapted to be used independently of any particular receptacle [D06F 7/00](#); using vibrations for washing purposes [D06F 19/00](#))**
- D06F 17/02 . by pumps ([D06F 17/04](#)takes precedence)

- D06F 17/04
 - . solely by water jets
- D06F 17/06
 - . by rotary impellers
- D06F 17/08
 - . . Driving arrangements for the impeller
- D06F 17/10
 - . . Impellers
- D06F 17/12
 - . solely by gases, e.g. air or steam, introduced into the washing liquid
- D06F 18/00**

Washing machines having receptacles, stationary for washing purposes, and having further drying means ([details concerning drying only D06F 58/00](#))
- D06F 19/00**

Washing machines using vibrations for washing purposes ([devices of the vibrator type adapted to be used independently of any particular receptacle D06F 7/04](#))
- D06F 21/00**

Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement ([with receptacles serving both for washing and centrifugally draining D06F 23/00, D06F 25/00; with receptacles moving bodily about an axis D06F 27/00; programme-control aspects D06F 33/00](#))
- D06F 21/02
 - . about a horizontal axis
- D06F 21/04
 - . . within an enclosing receptacle
- D06F 21/06
 - . about a vertical axis
- D06F 21/08
 - . . within an enclosing receptacle
- D06F 21/10
 - . about an inclined axis
- D06F 21/12
 - . the receptacle having a wobbling motion
- D06F 21/14
 - . with rubbing or beating means not secured to, or forming part of, the receptacle
- D06F 23/00**

Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement, the receptacle serving both for washing and centrifugally draining ([with further drying means D06F 25/00; programme-control aspects D06F 33/00](#))
- D06F 23/02
 - . and rotating or oscillating about a horizontal axis
- D06F 23/025
 - . . {with a rotatable imperforate tub}
- D06F 23/04
 - . and rotating or oscillating about a vertical axis
- D06F 23/06
 - . and rotating or oscillating about an inclined axis
- D06F 23/065
 - . . {with a rotatable imperforate tub}

- D06F 25/00** Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement, the receptacle serving both for washing and centrifugally draining and having further drying means, e.g. using hot air (programme-control aspects [D06F 33/00](#); details concerning drying only [D06F 58/00](#))
- D06F 27/00** Washing machines with receptacles moving bodily, e.g. reciprocating, swinging
- D06F 29/00** Combinations of a washing machine with other separate apparatus in a common frame or the like, e.g. with rinsing apparatus
- D06F 29/005 . { the other separate apparatus being a drying appliance}
- D06F 29/02 . with liquid-extracting apparatus (with roller wringer [D06F 45/12](#))
- D06F 31/00** Washing installations comprising an assembly of several washing machines or washing units, e.g. continuous flow assemblies
- D06F 31/005 . {consisting of one or more rotating drums through which the laundry passes in a continuous flow}
- D06F 33/00** Controlling a series of operations in washing machines, e.g. programme-control arrangements for washing and drying cycles ([D06F 31/00](#) takes precedence; programme-control systems in general [G05B 19/00](#), [G05G 21/00](#))
- D06F 33/02 . electrically
- D06F 33/04 . non-electrically
- D06F 33/06 . . substantially mechanically
- D06F 33/08 . . substantially hydraulically
- D06F 33/10 . . substantially pneumatically
- D06F 35/00** Washing machines, apparatus, or methods not otherwise provided for
- D06F 35/001 . { using ozone}
- D06F 35/002 . { using bubbles}
- D06F 35/003 . { using electrochemical cells}
- D06F 35/004 . { using chlorine generators}
- D06F 35/005 . { Methods for washing, rinsing or spin-drying}
- D06F 35/006 . . { for washing or rinsing only}
- D06F 35/007 . . { for spin-drying only}

- D06F 35/008 .. { for disinfecting the tub or the drum}
- D06F 37/00** **Details of washing machines of kinds covered by groups [D06F 21/00](#) to [D06F 25/00](#), restricted to machines of these kinds (details of more general application [D06F 39/00](#); details concerning drying only [D06F 58/00](#))**
- D06F 37/02 . Rotary receptacles, e.g. drums
- D06F 37/04 .. adapted for rotation or oscillation about a horizontal or inclined axis
- D06F 37/06 ... Ribs, lifters, or rubbing means forming part of the receptacle
- D06F 37/065 { ribs or lifters having means for circulating the washing liquid}
- D06F 37/08 ... Partitions
- D06F 37/10 ... Doors; Securing means therefor
- D06F 37/12 .. adapted for rotation or oscillation about a vertical axis
- D06F 37/14 ... Ribs or rubbing means forming part of the receptacle
- D06F 37/145 { ribs or lifters having means for circulating the washing liquid}
- D06F 37/16 ... Partitions
- D06F 37/18 ... Doors or covers; Securing means therefor
- D06F 37/20 . Mountings, e.g. resilient mountings, for the rotary receptacle, motor, tub, or casing; Preventing or damping vibrations ({ counterweights mounted to the tub or mountings therefor [D06F 37/265](#)}; damping vibrations in general [F16F](#))
- D06F 37/203 .. {Arrangements for detecting or measuring unbalance; Preventing vibrations by regulating the speed of rotation of the drum (sensing vibrations to control introduction of counterbalancing liquid [D06F 37/225](#), [D06F 37/245](#))}
- D06F 37/206 .. {Mounting of motor}
- D06F 37/22 .. in machines with a receptacle rotating or oscillating about a horizontal axis
- D06F 37/225 ... {Damping vibrations by displacing, supplying or ejecting a material, e.g. liquid, into or from counterbalancing pockets}
- D06F 37/24 .. in machines with a receptacle rotating or oscillating about a vertical axis
- D06F 37/245 ... {Damping vibrations by displacing, supplying or ejecting a material, e.g. liquid, into or from counterbalancing pockets}
- D06F 37/26 . Casings; Tubs
- D06F 37/261 .. { Tubs made by a specially selected manufacturing process or characterised by their assembly from elements}
- D06F 37/262 ... { made of plastic material, e.g. by injection moulding}
- D06F 37/263 ... { assembled from at least two elements connected to each other; Connecting or sealing means therefor}
- D06F 37/264 .. { Tubs provided with reinforcing structures, e.g. ribs, inserts, braces}
- D06F 37/265 .. { Counterweights mounted to the tub; Mountings therefor}
- D06F 37/266 .. { Gaskets mounted between tub and casing around the loading opening}
- D06F 37/267 .. { Tubs specially adapted for mounting thereto components or devices not provided for in preceding subgroups ([D06F 37/206](#) takes precedence)}
- D06F 37/268 ... { for suspension devices}

- D06F 37/269 . . . { for the bearing of the rotary receptacle}
- D06F 37/28 . . Doors; Security means therefor

- D06F 37/30 . Driving arrangements
- D06F 37/302 . . {Automatic drum positioning}
- D06F 37/304 . . {Electric speed control; Arrangements or adaptations of electric motors
([D06F 37/203](#) takes precedence)}
- D06F 37/306 . . . {Control of the reversing movement}
- D06F 37/308 . . {Hydraulic or pneumatic speed control; Arrangements or adaptations of hydraulic or
pneumatic motors}
- D06F 37/32 . . for rotating the receptacle at one speed only {([D06F 37/304](#), [D06F 37/308](#) take
precedence)}
- D06F 37/34 . . . in opposite directions, e.g. oscillating
- D06F 37/36 . . for rotating the receptacle at more than one speed {([D06F 37/304](#), [D06F 37/308](#)
take precedence)}
- D06F 37/38 . . . in opposite directions
- D06F 37/40 . . for driving the receptacle and an agitator or impeller, e.g. alternatively
{([D06F 37/304](#), [D06F 37/308](#) take precedence)}

- D06F 37/42 . Safety arrangements, e.g. for stopping rotation of the receptacle upon opening of the
casing door

- D06F 39/00** **Details of washing machines in so far as such details are not special to washing
machines of groups [D06F 21/00](#) to [D06F 25/00](#) or to any particular type of washing
machine defined in groups [D06F 9/00](#) to [D06F 19/00](#) or [D06F 27/00](#)**

- D06F 39/001 . {Arrangements for transporting, moving, or setting washing machines; Protective
arrangements for use during transport ([transport in general B65](#))}
- D06F 39/002 . {Arrangements for detecting or measuring the condition of the laundry or the washing
water, e.g. nature or weight of the laundry, turbidity of the washing water}
- D06F 39/003 . . {Arrangements for measuring or detecting the condition of the laundry, e.g. nature
or weight}
- D06F 39/004 . . {Arrangements for measuring or detecting the condition of the washing water, e.g.
turbidity}

- D06F 39/005 . {Arrangements for programme selection; Indication of the selected programme,
programme progress or other variables, e.g. temperature ([time-programme switches
H01H 43/00](#))}
- D06F 39/006 . {Recovery arrangements, e.g. for the recovery of energy or water}
- D06F 39/007 . {Arrangements of water softeners ([water softeners in general C02F](#))}
- D06F 39/008 . { Steam generating arrangements}
- D06F 39/02 . Devices for adding soap or other washing agents

- D06F 39/022 .. {in a liquid state ([D06F 39/024](#) takes precedence)}
- D06F 39/024 .. {mounted on the agitator or the rotating drum; Free body dispensers}
- D06F 39/026 .. {the powder or tablets being added directly, e.g. without the need of a flushing liquid}
- D06F 39/028 .. {Arrangements for selectively supplying water to detergent compartments}
- D06F 39/04 . Heating arrangements
- D06F 39/045 .. {Temperature measuring or regulating devices}
- D06F 39/06 . Arrangements for preventing or destroying scum
- D06F 39/08 . Liquid supply or discharge arrangements ([supplying liquid detergent D06F 39/02](#))
- D06F 39/081 .. {Safety arrangements for preventing water damage}
- D06F 39/082 ... {detecting faulty draining operations, e.g. filter blockage, faulty pump}
- D06F 39/083 .. {Liquid discharge or recirculation arrangements}
- D06F 39/085 ... {Arrangements or adaptations of pumps ([pumps in general F04](#))}
- D06F 39/086 ... {Arrangements for avoiding detergent wastage in the discharge conduit}
- D06F 39/087 .. {Water level measuring or regulating devices}
- D06F 39/088 .. {Liquid supply arrangements}
- D06F 39/10 . Filtering arrangements
- D06F 39/12 . Casings; Tubs
- D06F 39/125 .. {Supporting arrangements for the casing, e.g. rollers or legs}
- D06F 39/14 .. Doors or covers; Securing means therefor
- D06F 41/00 Rinsing apparatus**
- D06F 43/00 Dry-cleaning apparatus {or methods} using volatile solvents ([D06F 9/00](#) to [D06F 41/00](#) take precedence)**
- D06F 43/002 . {Spotting apparatus}
- D06F 43/005 . {Solvent condition control devices, e.g. humidity content}
- D06F 43/007 . {Dry cleaning methods}
- D06F 43/02 . having one rotary cleaning receptacle only
- D06F 43/04 . having more than one rotary cleaning receptacle
- D06F 43/06 . wherein the articles to be cleaned are passed through a cleaning chamber or bath
- D06F 43/08 . Associated apparatus for handling and recovering the solvents ([separate apparatus for purifying dry-cleaning solvents B01D](#))

- D06F 43/081 . . {Reclaiming or recovering the solvent from a mixture of solvent and contaminants, e.g. by distilling}
- D06F 43/083 . . . {Condensing arrangements}
- D06F 43/085 . . . {Filtering arrangements; Filter cleaning; Filter-aid powder dispensers}
- D06F 43/086 . . {Recovering the solvent from the drying air current}
- D06F 43/088 . . . {Condensing arrangements}

Guidance heading: Expelling water from the linen; Smoothing by cold rolling

D06F 45/00 Wringing machines with two or more co-operating rollers; Similar cold-smoothing apparatus

- D06F 45/02 . wherein the pressure is transmitted by spring means
- D06F 45/04 . . with hand-operated quick-release means
- D06F 45/06 . . with automatically-operated quick-release means
- D06F 45/08 . wherein the pressure is applied by fluid means
- D06F 45/10 . with three or more co-operating rollers
- D06F 45/12 . combined with washing machines
- D06F 45/14 . with means for removable attachment to washing machines, tables or other supports
(combined with tables [A47B](#))
- D06F 45/16 . Details
- D06F 45/18 . . Driving or control arrangements for rotation of the rollers
- D06F 45/20 . . Toggle or other lever means for transmitting pressure to the rollers
- D06F 45/22 . . Rollers
- D06F 45/24 . . Frames guiding or housing the roller shafts; Stands for supporting the roller framework
- D06F 45/26 . . Draining boards; Feed or discharge boards; Stripping means
- D06F 45/28 . . Belt arrangements for guiding the linen between the rollers

D06F 47/00 Apparatus of the press type for expelling water from the linen

- D06F 47/02 . by a mechanically-actuated ram
- D06F 47/04 . by a fluid-actuated ram
- D06F 47/06 . by a flexible diaphragm
- D06F 47/08 . Covers; Securing means therefor

- D06F 49/00** **Domestic spin-dryers or similar spin-dryers not suitable for industrial use**
(centrifuges in general [B04B](#))
- D06F 49/003 . {Doors or covers; Safety arrangements}
- D06F 49/006 . {Rinsing arrangements}
- D06F 49/02 . Bowl construction
- D06F 49/04 . Bowl drive
- D06F 49/06 . Mountings, e.g. resilient mountings, for the bowl or casings; Preventing or damping vibrations ([damping vibrations in general F16F](#))
- D06F 49/08 . Liquid discharge arrangements
- D06F 51/00** **Apparatus for expelling or draining water from the linen, not provided for in the preceding groups**
- D06F 51/02 . by twisting
- Guidance heading:** Drying; Airing
- D06F 53/00** **Clothes-lines; Supports therefor** ([drying frames incorporating clothes-lines D06F 57/00](#); supports or holders specially adapted or mounted for storing and repeatedly paying-out and restoring lengths of lines [B65H 75/34](#); ropes, cables [D07B](#))
- D06F 53/005 . {Accessories, e.g. line cleaning devices, line protectors, clothes-pin holders}
- D06F 53/02 . Clothes-lines
- D06F 53/04 . Supports, e.g. poles, props for clothes-lines ([poles in general E04H](#))
- D06F 53/045 . . {comprising means for storing the clothes-line}
- D06F 55/00** **Clothes-pegs**
- D06F 55/02 . with pivoted {independent} clamping members
- D06F 57/00** **Supporting means, other than simple clothes-lines, for linen or garments to be dried or aired** ([in combination with means for heating or positive air circulation D06F 58/00, F26B](#); adapted to retain the shape of particular articles being dried [D06F 59/00](#); clothing hangers, e.g. suit hangers [A47G 25/14](#))
- D06F 57/02 . mounted on pillars, e.g. rotatably {(sockets or holders for poles or posts [E04H 12/22](#))}
- D06F 57/04 . . and having radial arms, e.g. collapsible

- D06F 57/06 . comprising vertical members connected by horizontal bars
- D06F 57/08 . Folding stands ([D06F 57/06 takes precedence](#))
- D06F 57/10 . . of the lazy-tongs type
- D06F 57/12 . specially adapted for attachment to walls, ceilings, stoves, or other structures or objects
- D06F 57/122 . . {for attachment by clamping between two retaining-planes}
- D06F 57/125 . . {for attachment to, or close to, the ceiling}
- D06F 57/127 . . {for attachment or suspension to central heating radiators}
- D06F 58/00 Domestic laundry driers ([drying in general F26B](#))**
 - D06F 58/02 . having drier drums rotating about a horizontal axis
 - D06F 58/04 . . Details ([controlling or regulating arrangements D06F 58/28](#))
 - D06F 58/06 . . . Mountings for the rotating drums
 - D06F 58/08 . . . Driving arrangements
 - D06F 58/10 . Drying cabinets or drying chambers having heating or ventilating means
 - D06F 58/12 . . having conveying means for moving clothes, e.g. along an endless track
 - D06F 58/14 . . Collapsible drying cabinets; Wall mounted collapsible hoods
 - D06F 58/16 . having heatable surfaces for contacting the laundry ([D06F 59/00 takes precedence](#))
 - D06F 58/18 . Detachable or door-mounted drying arrangements for washing machines
 - D06F 58/20 . General details of domestic laundry driers ([D06F 59/00 takes precedence](#))
 - D06F 58/203 . . {Laundry conditioning arrangements}
 - D06F 58/206 . . { Heat pump arrangements}
 - D06F 58/22 . . Lint collecting arrangements
 - D06F 58/24 . . Condensing arrangements
 - D06F 58/26 . . Heating arrangements, e.g. gas heating equipment ([D06F 58/18 takes precedence](#))
 - D06F 58/263 . . . {Gas heating equipment}
 - D06F 58/266 . . . { Microwave heating equipment}
 - D06F 58/28 . . Controlling or regulating ([controlling or regulating in general G05](#))
 - D06F 2058/2803 . . . {Manual setting }
 - D06F 2058/2806 {of intensity of heater, motor or blower }
 - D06F 2058/2809 {of load, quantity, weight, type of laundry or the like }
 - D06F 2058/2812 {of rough drying time or timing for part of the programme }
 - D06F 2058/2816 . . . {Automatic detection of the humidity or dryness of the laundry directly or indirectly by measuring }
 - D06F 2058/2819 {the air humidity }

D06F 2058/2822	.....	{the air humidity by capacitance }
D06F 2058/2825	.....	{the air humidity by resistance }
D06F 2058/2829	....	{the air temperature }
D06F 2058/2832	....	{the variation of quantities in the condenser, e.g. water temperature }
D06F 2058/2835	....	{the laundry electrical capacitance }
D06F 2058/2838	....	{the laundry electrical resistance }
D06F 2058/2841	....	{the laundry temperature }
D06F 2058/2845	....	{by means of radiation }
D06F 2058/2848	....	{the variation of the weight }
D06F 2058/2851	....	{the time necessary for a cooling-down or a heating-up period }
D06F 2058/2854	...	{Other automatic detection }
D06F 2058/2858	....	{Controlling the correct functioning of the machine; Security (D06F 2058/2861 and D06F 2058/2887 take precedence)}
D06F 2058/2861	....	{Load, type of laundry, weight, e.g. overload }
D06F 2058/2864	...	{Air quantity; Control of the blower; Mixing with fresh air }
D06F 2058/2867	....	{Control by ON/OFF timing }
D06F 2058/287	...	{Control of the heat pump }
D06F 2058/2874	....	{by ON/OFF timing }
D06F 2058/2877	...	{Driving motor control }
D06F 2058/288	....	{by ON/OFF timing }
D06F 2058/2883	...	{Displaying or monitoring the programme progress }
D06F 2058/2887	....	{Warning to signal incorrect functioning of the machine }
D06F 2058/289	...	{Heater control }
D06F 2058/2893	....	{by ON/OFF timing }
D06F 2058/2896	...	{Timing in general; Timing of a part of the cycle, e.g. cooling-down period }

NOTE

If output = input, only the input is indexed ([D06F 2058/2812](#))

D06F 59/00 **Supports adapted to retain the shape of particular articles being dried, e.g. incorporating heating means** {([devices for retaining the shape of hats A42B 1/002](#); [apparatus for changing the form and size of hats A42C 3/00](#))}

D06F 59/02	. for garments
D06F 59/04	.. for gloves
D06F 59/06	.. for stockings
D06F 59/08	. for curtains, table cloths, or other articles of sheet form

D06F 60/00 **Drying not provided for in groups [D06F 53/00](#) to [D06F 59/00](#)**

Guidance heading: Ironing; Pressing (smoothing by cold rolling [D06F 45/00](#))

D06F 61/00 **Ironing machines using two or more co-operating pressing rollers**

- D06F 61/02 . with two rollers
- D06F 61/04 . with three or more rollers one above the other
- D06F 61/06 . with successive pairs of rollers
- D06F 61/08 . with one central roller co-operating with a plurality of circumferential rollers
- D06F 61/10 . with two or more central rollers co-operating with a plurality of circumferential rollers

D06F 63/00 **Ironing machines having a roller or rollers co-acting with a fixed or moving flat bed or table** ([coverings or pads D06F 83/00](#))

- D06F 63/02 . with two or more rollers co-acting with a fixed or moving flat bed or table

D06F 65/00 **Ironing machines with rollers rotating against curved surfaces**

- D06F 65/02 . with one roller only
- D06F 65/04 . . the bed being urged against the roller by hand or foot
- D06F 65/06 . . the bed being urged against the roller by power
- D06F 65/08 . . the roller being urged against the bed
- D06F 65/10 . with two or more rollers co-operating with two or more curved surfaces

D06F 67/00 **Details of ironing machines provided for in groups [D06F 61/00](#), [D06F 63/00](#), or [D06F 65/00](#)**

- D06F 67/005 . {[Stands or cabinets](#)}
- D06F 67/02 . Rollers; Heating arrangements therefor ([coverings or pads D06F 83/00](#))
- D06F 67/04 . Arrangements for feeding or spreading the linen
- D06F 67/06 . Means for stripping the linen from the rollers
- D06F 67/08 . Beds; Heating arrangements therefor ([coverings or pads D06F 83/00](#))
- D06F 67/10 . Driving arrangements

D06F 69/00 **Ironing machines not otherwise provided for**

- D06F 69/02 . using endless or other ironing or pressing belts or aprons
- D06F 69/04 . with relatively-sliding flat surfaces
- D06F 71/00** **Apparatus for hot-pressing clothes, linen, or other textile articles, i.e. wherein there is substantially no relative movement between pressing element and article while pressure is being applied to the article; Similar machines for cold-pressing clothes, linen, or other textile articles (devices for household use, for cold-pressing garments [A47G](#))**
- D06F 71/02 . actuated wholly by hand or foot ([D06F 71/08](#) takes precedence)
- D06F 71/023 .. {with an upper movable pressing member and a lower fixed pressing member}
- D06F 71/026 ... {the upper movable member rotating about a fixed axis}
- D06F 71/04 . power-actuated ([D06F 71/08](#) takes precedence)
- D06F 71/043 .. {with an upper movable pressing member and a lower fixed pressing member ([D06F 71/06](#) takes precedence)}
- D06F 71/046 ... {the upper movable member rotating about a fixed axis}
- D06F 71/06 .. fluid-actuated
- D06F 71/062 ... {with an upper movable pressing member and a lower fixed pressing member}
- D06F 71/065 {the upper movable member rotating about a fixed axis}
- D06F 71/067 {Fluid-control mechanisms for controlling the ironing pressure or the movement of the pressure member}
- D06F 71/08 . wherein one or more of the pressing elements is moved laterally between successive pressing operations ([laundry systems or arrangements of apparatus or machines D06F 95/00](#))
- D06F 71/10 .. by movement about a vertical axis
- D06F 71/12 .. by movement about a horizontal axis
- D06F 71/14 .. by a rectilinear movement
- D06F 71/16 . having a pressing element or buck adapted to provide interior support for a garment to be pressed ([D06F 71/18](#) takes precedence)
- D06F 71/18 . specially adapted for pressing particular garments or parts thereof ([for pressing seams D06F 71/30](#))
- D06F 71/20 .. for pressing shirts
- D06F 71/22 .. for pressing collars
- D06F 71/24 .. for pressing cuffs
- D06F 71/26 .. for pressing shoulders or necks
- D06F 71/28 .. for pressing sleeves, trousers, or other tubular garments or tubular parts of garments
- D06F 71/285 ... {for pressing sleeves}
- D06F 71/29 ... Trousers
- D06F 71/295 {the top portion of trousers}

- D06F 71/30 . specially adapted for pressing seams
- D06F 71/32 . Details
- D06F 71/323 . . {Protective devices, e.g. burn guards}
- D06F 71/326 . . {Arrangements for producing a sliding or ironing movement between the pressing elements in closed position}
- D06F 71/34 . . Heating arrangements; Arrangements for supplying or removing steam or other gases
- D06F 71/36 . . Pressing elements (for use in pressing particular garments or parts thereof [D06F 71/18](#); coverings or pads therefor [D06F 83/00](#))
- D06F 71/38 . . Feeding arrangements (feeding by lateral movement of pressing elements [D06F 71/08](#))
- D06F 71/40 . . Holders or stretchers for the article to be pressed
- D06F 73/00** **Apparatus for smoothing or removing creases from garments or other textile articles by formers, cores, stretchers, or internal frames, with the application of heat or steam** (stretchers for drying purposes [D06F 59/00](#); combined with external pressure means [D06F 71/00](#); stretchers for use with presses [D06F 71/40](#); dress-forms for the tailoring trade [A41H](#); garment stretchers without the application of heat [A47G 25/00](#))
- D06F 73/02 . having one or more treatment chambers
- D06F 75/00** **Hand irons**
- D06F 75/02 . Externally-heated hand irons; Hand irons internally heated by means other than electricity, e.g. by solid fuel, by steam
- D06F 75/04 . . by pre-heated block
- D06F 75/06 . . with means for supplying steam or liquid to the article being ironed ([D06F 75/32](#) takes precedence)
- D06F 75/08 . Hand irons internally heated by electricity
- D06F 75/10 . . with means for supplying steam to the article being ironed ([D06F 75/32](#) takes precedence)
- D06F 75/12 . . . the steam being produced from water supplied to the iron from an external source
- D06F 75/14 . . . the steam being produced from water in a reservoir carried by the iron
- D06F 75/16 the reservoir being heated to produce the steam
- D06F 75/18 the water being fed slowly, e.g. drop by drop, from the reservoir to a steam generator
- D06F 75/20 . . . Arrangements for discharging the steam to the article being ironed
- D06F 75/22 . . with means for supplying liquid to the article being ironed ([D06F 75/10](#) takes precedence)
- D06F 75/24 . . Arrangements of the heating means within the iron; Arrangements for distributing, conducting, or storing the heat (electric heating in general [H05B](#))

- D06F 75/243 . . . {using other than ohmic-resistance heating means, e.g. electrolytic or induction heating}
- D06F 75/246 . . . {using infra-red lamps}
- D06F 75/26 . . Temperature control or indicating arrangements ([thermally-actuated switches H01H](#))
- D06F 75/265 . . . {Temperature indicating arrangements; Control knobs}
- D06F 75/28 . . Arrangements for attaching, protecting or supporting the electric supply cable
- D06F 75/30 . Hand irons of special external shape or form
- D06F 75/32 . Attachments for converting hand irons to steam irons
- D06F 75/34 . Handles; Handle mountings
- D06F 75/36 . Casings
- D06F 75/38 . Sole plates ([D06F 75/20](#) takes precedence)
- D06F 75/40 . Stands or supports attached to the iron

D06F 77/00 Arrangements for exerting pressure on, lifting, or guiding hand irons

- D06F 77/005 . {using an electro-magnet or a permanent magnet in the iron or the ironing board}

D06F 79/00 Accessories for hand irons

- D06F 79/02 . Stands or supports neither attached to, nor forming part of, the iron or ironing board
- D06F 79/023 . . {with means for supplying current to the iron}
- D06F 79/026 . . . {for cordless irons}
- D06F 79/04 . Stoves or other heating means specially adapted for heating irons externally {,e.g. by induction heating}(stoves in general [F24](#))
- D06F 79/06 . Means, not forming part of the iron, for cooling the iron

D06F 81/00 Ironing boards (coverings or pads therefor [D06F 83/00](#); combined with tables, mounted in kitchen cabinets [A47B](#); tables in general [A47B](#); combined with ladders [E06C](#); {supports for keeping the electric supply cable clear of the iron or of the clothing [H02G 11/003](#)})

- D06F 81/003 . {with flat iron support}
- D06F 81/006 . {with fabric support or garment rack}
- D06F 81/02 . with collapsible underframe
- D06F 81/04 . . with means for adjusting height
- D06F 81/06 . attachable to independent supports, e.g. walls

D06F 81/08 . incorporating heating, steaming, or forced ventilation means

D06F 81/10 . Top board elements

D06F 81/12 . Sleeve boards; Attaching means therefor

D06F 81/14 . Means for attaching covers

D06F 83/00 Coverings or pads for ironing or pressing members

D06F 85/00 Independent elements for interposition between the article and the ironing or pressing surface

Guidance heading: Miscellaneous laundry apparatus or systems

D06F 87/00 Apparatus for moistening or otherwise conditioning the article to be ironed or pressed (apparatus for smoothing or removing creases from garments or other textile articles by formers, cores, stretchers or internal frames, with the application of heat or steam [D06F 73/00](#); {devices used in combination with a laundry drier [D06F 58/203](#)})

D06F 89/00 Apparatus for folding textile articles with or without stapling

D06F 89/005 . {Manual folding devices, e.g. for folding bed sheets ([D06F 89/02](#) takes precedence)}

D06F 89/02 . of textile articles to be worn, e.g. shirts

D06F 89/023 . . {of shirts}

D06F 89/026 . . . {Details, e.g. collar holders}

D06F 91/00 Starching apparatus

D06F 93/00 Counting, sorting, or marking arrangements specially adapted for laundry purposes

D06F 93/005 . {Marking arrangements}

D06F 95/00 Laundry systems or arrangements of apparatus or machines; Mobile laundries ([D06F 31/00](#) takes precedence; laundries as buildings [E04H](#))

D06F 95/002 . {Baskets or bags specially adapted for holding or transporting laundry; Supports therefor}

D06F 95/004 . . {Bags; Supports therefor}

D06F 95/006 . . . {Bags for holding the laundry during washing ([D06F 5/005](#) takes precedence)}

- D06F 95/008 . {Devices for keeping articles together during laundering, e.g. for keeping socks in pairs ([D06F 95/004](#) takes precedence); Devices for protecting or shielding certain parts of the articles during laundering, e.g. button protectors}
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D06F 2202/00 **Input, e.g. measuring, checking variables** ([manual setting D06F 2214/00](#))

- D06F 2202/02 . Chemical variables; Condition of the washing liquid
- D06F 2202/04 . Temperature
- D06F 2202/06 . Mechanical action on the laundry
- D06F 2202/065 . . Rotational speed
- D06F 2202/08 . Liquid supply, circulation or discharge
- D06F 2202/085 . . Level
- D06F 2202/10 . Nature or weight of the laundry
- D06F 2202/12 . Other variables, e.g. variation of electrical quantities

D06F 2204/00 **Output, e.g. controlled quantity** ([display D06F 2216/00](#))

- D06F 2204/02 . Chemical quantities
- D06F 2204/04 . Heating
- D06F 2204/06 . Mechanical variables, e.g. drum rotation
- D06F 2204/065 . . having speed control arrangement
- D06F 2204/08 . Liquid supply, circulation or discharge
- D06F 2204/082 . . Circulating
- D06F 2204/084 . . Draining
- D06F 2204/086 . . Water supply
- D06F 2204/088 . . . with cold and hot water
- D06F 2204/10 . Other output

D06F 2210/00 **Interfaces, e.g. connections between different parts of the general control system**

D06F 2212/00 **Programme or timing arrangements**

- D06F 2212/02 . Electronic arrangements
- D06F 2212/04 . Hybrid arrangements

D06F 2212/06	. Control of the programmer in the event of stopping of the washing process, e.g. when opening the door or a current failure
D06F 2214/00	Manual setting
D06F 2216/00	Display arrangements
D06F 2220/00	Time, e.g. real time to perform one or more operations used to influence one or more of the subsequent operations
D06F 2222/00	Unbalance arrangements
D06F 2224/00	Safety arrangement concerning the opening or closing of the door
D06F 2226/00	Liquid or energy recovery arrangements
D06F 2232/00	Processes performed on the laundry, e.g. washing
D06F 2232/02	. Biological washing
D06F 2232/04	. Wetting
D06F 2232/06	. Rinsing
D06F 2232/08	. Spinning
D06F 2232/10	. Drying with hot air in washing machines
D06F 2700/00	Driving arrangements for washing machines having receptacles serving solely for washing and not for centrifugally draining
D06F 2700/04	. Rotating the receptacle with more than one speed
D06F 2700/05	. Rotating the receptacle with an alternating movement
D06F 2700/052	. . in which a driven shaft rotates and also undergoes another movement
D06F 2700/055	. . by changing between two transmissions with elements rolling on each other
D06F 2700/057	. . Other transmission devices for rotating the receptacle solely with an alternating movement