

## SECTION A — HUMAN NECESSITIES

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

**A47L DOMESTIC WASHING OR CLEANING** (brushes A46B; cleaning quantities of bottles or of other hollow articles of one kind B08B 9/00; laundry D06F); **SUCTION CLEANERS IN GENERAL** (cleaning in general B08)

#### Note(s)

Machines or implements which can be used for cleaning windows, window shades, window screens, venetian blinds, as well as floors, carpets, furniture, walls, or wall coverings are classified in group A47L 11/00 or A47L 13/00.

#### Subclass index

CLEANING WINDOWS, THEIR SHADES, SCREENS, OR VENETIAN BLINDS.....	1/00, 3/00, 4/00
SUCTION CLEANERS.....	5/00, 7/00, 9/00
CLEANING FLOORS, CARPETS, FURNITURE OR WALLS.....	11/00, 13/00
CLEANING OR POLISHING HOUSEHOLD ARTICLES.....	15/00-21/00
CLEANING FOOTWEAR.....	23/00
OTHER DOMESTIC CLEANING DEVICES.....	25/00

#### Cleaning windows, window shades, window screens, venetian blinds

4/04 • Accessories facilitating cleaning, e.g. venetian blind separators, spreaders, or cleaning racks [3]

#### **1/00 Cleaning windows**

- 1/02 • Power-driven machines or devices
- 1/03 • • cleaning both sides of a window simultaneously
- 1/05 • • Hand apparatus with built-in electric motors [3]
- 1/06 • Hand implements (with built-in electric motors A47L 1/05) [3]
- 1/08 • • with provision for supplying liquids, e.g. cleaning agents (A47L 1/095, A47L 1/13, A47L 1/15 take precedence) [3]
- 1/09 • • for cleaning one side with access from the other side only [3]
- 1/095 • • • with provision for supplying liquids, e.g. cleaning agents [3]
- 1/12 • • • for cleaning both sides simultaneously [3]
- 1/13 • • • with provision for supplying liquids, e.g. cleaning agents [3]
- 1/15 • • Cloths, sponges, pads, or the like, e.g. containing cleaning agents [3]
- 1/16 • Devices for defrosting window-panes (H05B 3/84 takes precedence) [5]

#### **3/00 Safety devices for use in window-cleaning** (safety belts A62B 35/00; for scaffolding in general E04G; for ladders E06C)

- 3/02 • Cages; Platforms
- 3/04 • Safety ropes

#### **4/00 Cleaning window shades, window screens, venetian blinds** (A47L 1/15 takes precedence; suction cleaner nozzles A47L 9/02) [3]

- 4/02 • Hand implements for cleaning venetian blinds [3]

#### Suction cleaners [3]

#### **5/00 Structural features of suction cleaners**

- 5/02 • with user-driven air-pumps or compressors
- 5/04 • • with pistons, bellows, or diaphragms, e.g. driven by the cleaner-supporting wheels
- 5/05 • • • with driven dust-loosening tools
- 5/06 • • with rotary fans
- 5/08 • • • driven by cleaner-supporting wheels
- 5/10 • • • with driven dust-loosening tools
- 5/12 • with power-driven air-pumps or air-compressors, e.g. driven by motor vehicle engine vacuum
- 5/14 • • cleaning by blowing-off, also combined with suction cleaning
- 5/16 • • with suction devices other than rotary fans
- 5/18 • • • with ejectors, e.g. connected to motor vehicle exhaust
- 5/20 • • • with bellows, diaphragms or pistons
- 5/22 • • with rotary fans
- 5/24 • • • Hand-supported suction cleaners
- 5/26 • • • • with driven dust-loosening tools
- 5/28 • • • Suction cleaners with handles and nozzles fixed on the casings, e.g. wheeled suction cleaners with steering handle (A47L 5/24 takes precedence)
- 5/30 • • • • with driven dust-loosening tools, e.g. rotating brushes
- 5/32 • • • • with means for connecting a hose (hose couplings for suction cleaners A47L 9/24)

- 5/34 • • • • with height adjustment of nozzles or dust-loosening tools
- 5/36 • • • Suction cleaners with hose between nozzle and casing; Suction cleaners for fixing on staircases; Suction cleaners for carrying on the back
- 5/38 • • • Built-in suction cleaner installations, i.e. with fixed tube system to which, at different stations, hoses can be connected

**7/00 Suction cleaners adapted for additional purposes** (with floor-polishing tools A47L 11/20; suction devices for removing ash F23J 1/02); **Tables with suction openings for cleaning purposes; Containers for cleaning articles by suction; Suction cleaners adapted to cleaning of brushes; Suction cleaners adapted to taking-up liquids**

- 7/02 • with driven tools for special purposes
- 7/04 • for using the exhaust air for other purposes, e.g. for distribution of chemicals in a room, for sterilisation of the air (spraying or atomising in general B05)
- 7/06 • • for supporting the suction cleaner on the exhaust air
- 7/08 • • with combustion of dust in exhaust air

**9/00 Details or accessories of suction cleaners, e.g. mechanical means for controlling the suction or for effecting pulsating action; Storing devices specially adapted to suction cleaners or parts thereof; Carrying-vehicles specially adapted for suction cleaners**

- 9/02 • Nozzles (suction nozzles for fluid transport B65G 51/00)
- 9/04 • • with driven brushes or agitators
- 9/06 • • with fixed, e.g. adjustably fixed brushes or the like
- 9/08 • • with means adapted for blowing
- 9/10 • Filters (in general B01D; cyclones B04C); Dust separators; Dust removal; Automatic exchange of filters
- 9/12 • • Dry filters
- 9/14 • • Bags or the like; Attachment of, or closures for, bags
- 9/16 • • Arrangement or disposition of cyclones or other devices with centrifugal action
- 9/18 • • Liquid filters
- 9/19 • • Means for monitoring filtering operation [3]
- 9/20 • Means for cleaning filters
- 9/22 • Mountings for motor fan assemblies
- 9/24 • Hoses; Hose couplings (hoses or hose joints in general F16L)
- 9/26 • Incorporation of winding devices for electric cables (devices specially adapted for repeatedly paying-out or re-storing cables B65H 75/34; arrangements of electrical cables or lines between relatively-movable parts H02G 11/00)
- 9/28 • Installation of the electric equipment, e.g. adaptation or attachment to the suction cleaner; Regulation of suction cleaners by electric means
- 9/30 • • Arrangement of illuminating devices
- 9/32 • Handles

**Cleaning floors, carpets, furniture, walls, or wall coverings**

**11/00 Machines for cleaning floors, carpets, furniture, walls, or wall coverings**

- 11/02 • Floor surfacing or polishing machines (polishing machines in general B24B 29/00)

- 11/03 • • characterised by having provisions for supplying cleaning or polishing agents
- 11/04 • • hand-driven
- 11/06 • • • with reciprocating or oscillating tools
- 11/08 • • • with rotating tools
- 11/10 • • motor-driven
- 11/12 • • • with reciprocating or oscillating tools
- 11/14 • • • with rotating tools
- 11/16 • • • • the tools being disc brushes
- 11/162 • • • • • having only a single disc brush
- 11/164 • • • • • Parts or details of the brushing tools
- 11/18 • • • • the tools being roll brushes
- 11/19 • • • • • Parts or details of the brushing tools
- 11/20 • • combined with vacuum cleaning devices
- 11/202 • • • having separate drive for the cleaning brushes
- 11/204 • • • having combined drive for brushes and for vacuum cleaning
- 11/205 • • • • for reciprocating brushes
- 11/206 • • • • for rotary disc brushes
- 11/22 • Floor-sweeping machines, hand-driven
- 11/24 • Floor-sweeping machines, motor-driven
- 11/26 • Floor-scrubbing machines, hand-driven (A47L 11/29 takes precedence)
- 11/28 • Floor-scrubbing machines, motor-driven (A47L 11/29 takes precedence)
- 11/282 • • having rotary tools
- 11/283 • • • the tools being disc brushes
- 11/284 • • having reciprocating tools
- 11/29 • Floor-scrubbing machines characterised by means for taking-up dirty liquid
- 11/292 • • having rotary tools (A47L 11/30 takes precedence)
- 11/293 • • • the tools being disc brushes
- 11/294 • • having reciprocating tools (A47L 11/30 takes precedence)
- 11/30 • • by suction
- 11/32 • Carpet-sweepers (combined with suction cleaners A47L 7/02)
- 11/33 • • having means for storing dirt
- 11/34 • Machines for treating carpets in position by liquid, foam, or vapour, e.g. by steam
- 11/36 • Machines for beating upholstery
- 11/38 • Machines, specially adapted for cleaning walls, ceilings, roofs, or the like
- 11/40 • Parts or details of machines not covered in, or of interest apart from, groups A47L 11/02-A47L 11/38, e.g. handles, arrangement of switches, skirts, buffers, levers

**13/00 Implements for cleaning floors, carpets, furniture, walls, or wall coverings** (brushes, their handles or fastenings A46B, B25G; scrapers for finishing work on buildings E04F 21/00)

- 13/02 • Scraping
- 13/022 • • Scraper handles
- 13/03 • • Scrapers having provisions for supplying cleaning agents
- 13/04 • • with steel wool
- 13/06 • • with wire brushes or wire meshes
- 13/07 • • • Metal sponges (A47L 13/022, A47L 13/03 take precedence)
- 13/08 • • with scraping blades
- 13/10 • Scrubbing; Scouring; Cleaning; Polishing
- 13/11 • • Squeegees [3]
- 13/12 • • Implements with several different treating devices [3]

- 13/14 • • combined with squeezing or wringing devices
  - 13/142 • • • having torsional squeezing or wringing action
  - 13/144 • • • having squeezing rollers
  - 13/146 • • • having pivoting squeezing plates
  - 13/16 • • Cloths; Pads; Sponges (metal scraping sponges A47L 13/07)
  - 13/17 • • • containing cleaning agents (A47L 13/19 takes precedence)
  - 13/18 • • • Gloves; Glove-like cloths
  - 13/19 • • • • containing cleaning agents
  - 13/20 • • Mops
  - 13/22 • • • with liquid-feeding devices
  - 13/23 • • • • connectible to the water mains
  - 13/24 • • • Frames for mops; Mop heads (handles B25G)
  - 13/25 • • • • Wire frames
  - 13/252 • • • • • for mops of textile fringes or the like
  - 13/253 • • • • • of adjustable or foldable type
  - 13/254 • • • • • Plate frames
  - 13/255 • • • • • for mops of textile fringes or the like
  - 13/256 • • • • • for mops made of cloth
  - 13/257 • • • • • for mops made of sponge material
  - 13/258 • • • • • of adjustable or foldable type
  - 13/26 • • Other cleaning devices with liquid supply arrangements (such arrangements on floor-polishing machines A47L 11/00, on scrapers A47L 13/03, on mops A47L 13/22; cloths, pads, or the like containing cleaning agents A47L 13/17, A47L 13/19) [3]
  - 13/28 • • Polishing implements (polishing machines A47L 11/02)
  - 13/282 • • • mounted under footwear
  - 13/284 • • • having fixed or detachable weights
  - 13/286 • • • having containers for storing polishing material, e.g. polishing paper
  - 13/29 • • • having movable or detachable polishing or shining cloths
  - 13/294 • • • having invertible head, one side being used for dispensing polishing material and the reverse side for shining
  - 13/30 • • • Implements for polishing and waxing or oiling, with dispensers for wax or oil
  - 13/31 • • • • having movable or detachable polishing or shining cloths
  - 13/312 • • • • • supplied with liquid wax or oil
  - 13/314 • • • • having invertible head, one side being used for dispensing wax or oil and the reverse side for shining
  - 13/316 • • • • • supplied with liquid wax or oil
  - 13/32 • • • Wax dispensers with heating arrangements
  - 13/34 • • Scouring implements for hearths or metal objects
  - 13/36 • • Carpet-beaters
  - 13/38 • • Other dusting implements
  - 13/40 • • Cleaning implements actuated by electrostatic attraction; Devices for cleaning same; Magnetic cleaning implements
  - 13/41 • • • Magnetic cleaning implements
  - 13/42 • • Details
  - 13/44 • • • Securing scouring-cloths to the brush or like body of the implement
  - 13/46 • • • Securing scouring- or polishing-cloths or sponges to the handles by gripping means, tongs, or the like
  - 13/48 • • • Protective devices, such as bumpers or guard plates
  - 13/50 • • Auxiliary implements (cleaning devices for brushes or the like A46B 17/06)
  - 13/502 • • • Shakers for dust-cloths or mops; Bumpers therefor
  - 13/51 • • • Storing of cleaning tools, e.g. containers therefor
  - 13/512 • • • • Clamping devices for hanging the tools
  - 13/52 • • • Dust pans; Crumb trays
  - 13/54 • • • Racks for beating carpets
  - 13/56 • • • Implements for applying wax or oil
  - 13/58 • • • Wringers for scouring pads, mops, or the like, combined with buckets
  - 13/59 • • • • with movable squeezing members
  - 13/60 • • • • with squeezing rollers
  - 13/62 • • • Kneeling supports, especially wheeled (kneeling cushions attachable to knees A41D 13/06)
- Cleaning or polishing household articles or the like**
- 15/00 Washing or rinsing machines for crockery or table-ware**
  - 15/02 • with circulation and agitation of the cleaning liquid in the cleaning chamber containing a stationary basket
  - 15/04 • • by reciprocating movement of the cleaning chamber
  - 15/06 • • by means of an impeller in the chamber
  - 15/08 • • by application of a pressure effect produced by pumps
  - 15/10 • • by introducing compressed air or other gas into the liquid
  - 15/12 • • by a boiling effect
  - 15/13 • • using sonic or ultrasonic waves [5]
  - 15/14 • with stationary crockery baskets and spraying devices within the cleaning chamber
  - 15/16 • • with rigidly-mounted spraying devices
  - 15/18 • • with movably-mounted spraying devices
  - 15/20 • • • Swingable spraying devices
  - 15/22 • • • Rotary spraying devices
  - 15/23 • • • • moved by means of the sprays
  - 15/24 • with movement of the crockery baskets by conveyers
  - 15/26 • with movement of the crockery baskets by other means
  - 15/28 • • by lowering and lifting only
  - 15/30 • • by rotating only
  - 15/32 • • • rotated by means of spraying water
  - 15/33 • • • with moving baskets submerged in the cleaning fluid
  - 15/34 • • by lowering and lifting combined with a rotating movement
  - 15/36 • • by a sideways motion
  - 15/37 • with crockery cleaned by brushes [3]
  - 15/39 • • with brushes on movable supports [3]
  - 15/42 • Details
  - 15/44 • • Devices for adding cleaning agents
  - 15/46 • • Devices for the automatic control of the different phases of cleaning
  - 15/48 • • Drying arrangements
  - 15/50 • • Racks
  - 17/00 Apparatus or implements used in manual washing or cleaning of crockery, table-ware, cooking-ware or the like (foam-making devices A47K 5/14)**

## A47L

- 17/02 • Basins (dish-washing tables A47B 33/00; sanitary basins A47K 1/04; basins connected to waste pipe E03C 1/12)
- 17/04 • Pan or pot cleaning utensils
- 17/06 • • Scrapers
- 17/08 • • Pads; Balls of steel wool, wire, or plastic meshes
- 17/10 • Tongs for crockery
- 19/00 Drying devices for crockery or table-ware, e.g. tea-cloths**
- 19/02 • Draining-boards
- 19/04 • Crockery baskets; Draining-racks
- 21/00 Polishing of table-ware, e.g. knives, forks, spoons**
- 21/02 • Machines
- 21/04 • Hand implements
- 21/06 • Supports or rests for use while polishing
- 23/00 Cleaning footwear**
- 23/02 • Shoe-cleaning machines, with or without applicators for shoe polish
- 23/04 • Hand implements for shoe-cleaning, with or without applicators for shoe polish (ordinary brushes, with or without containers, A46B 11/00)
- 23/05 • • with applicators for shoe polish
- 23/06 • • with electric drive
- 23/08 • • Special hand implements for cleaning and recolouring footwear, e.g. powder pads
- 23/10 • • Cloth or collapsible cleaning pads; Glove-like cleaning cloths (glove-like washing cloths A47K 7/02)
- 23/12 • • Cleaning devices for suede
- 23/14 • • Implements for use during shoe-cleaning, to guard against spoiling
- 23/16 • Shoe-shine stands; Foot-rests with guides for the polishing cloths
- 23/17 • • Foot-rests with guides for the polishing cloths
- 23/18 • Devices for holding footwear during cleaning or shining (shoe-lasts A43D 3/00); Holding devices with stretching effect
- 23/20 • Devices or implements for drying footwear, also with heating arrangements (cabinets for shoes A47B 61/04)
- 23/22 • Devices or implements resting on the floor for removing mud, dirt, or dust from footwear (built-in gratings, e.g. foot-scrapers, E04F 19/10)
- 23/24 • • Rigid cleaning-gratings; Tread plates or scrapers for cleaning the soles of footwear (floor mats in general A47G 27/02)
- 23/26 • • Mats or gratings combined with brushes
- 23/28 • Receptacles for shoe-cleaning equipment

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- 25/00 Domestic cleaning devices not provided for in other groups of this subclass (for cleaning spectacles G02C 13/00)**
- 25/02 • for buttons, clasps, or military insignia
- 25/04 • for door-knobs
- 25/06 • Guard plates for use while cleaning butts, door-knobs or the like
- 25/08 • Pads or the like for cleaning clothes
- 25/12 • Devices or implements for cleaning lamp chimneys