

Symbol	Typ	Titel
A	Sektion	SECTION A — HUMAN NECESSITIES
A47	Klasse	FURNITURE (arrangements of seats for, or adaptation of seats to, vehicles B60N); DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL (ladders E06C)
A47L	Unterklasse	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) <u>Cleaning windows, window shades, window screens, venetian blinds</u>
A47L 1/00	Hauptgruppe	Cleaning windows
A47L 1/02	1-Punkt Untergruppe	. Power-driven machines or devices
A47L 1/03	2-Punkt Untergruppe	. . cleaning both sides of a window simultaneously
A47L 1/05	2-Punkt Untergruppe	. . Hand apparatus with built-in electric motors [3]
A47L 1/06	1-Punkt Untergruppe	. Hand implements (with built-in electric motors A47L 1/05) [3]
A47L 1/08	2-Punkt Untergruppe	. . with provision for supplying liquids, e.g. cleaning agents (A47L 1/095, A47L 1/13, A47L 1/15 take precedence) [3]
A47L 1/09	2-Punkt Untergruppe	. . for cleaning one side with access from the other side only [3]
A47L 1/095	3-Punkt Untergruppe	. . . with provision for supplying liquids, e.g. cleaning agents [3]
A47L 1/12	2-Punkt Untergruppe	. . for cleaning both sides simultaneously [3]
A47L 1/13	3-Punkt Untergruppe	. . . with provision for supplying liquids, e.g. cleaning agents [3]
A47L 1/15	2-Punkt Untergruppe	. . Cloths, sponges, pads, or the like, e.g. containing cleaning agents [3]
A47L 1/16	1-Punkt Untergruppe	. Devices for defrosting window-panes (H05B 3/84 takes precedence) [5]
A47L 3/00	Hauptgruppe	Safety devices for use in window-cleaning (safety belts A62B 35/00; for scaffolding in general E04G; for ladders E06C)
A47L 3/02	1-Punkt Untergruppe	. Cages; Platforms
A47L 3/04	1-Punkt Untergruppe	. Safety ropes
A47L 4/00	Hauptgruppe	Cleaning window shades, window screens, venetian blinds (A47L 1/15 takes precedence; suction cleaner nozzles A47L 9/02) [3]
A47L 4/02	1-Punkt Untergruppe	. Hand implements for cleaning venetian blinds [3]
A47L 4/04	1-Punkt Untergruppe	. Accessories facilitating cleaning, e.g. venetian blind separators, spreaders, or cleaning racks [3]
		<u>Suction cleaners (pneumatically taking-up undesirable matter from roads or like surfaces E01H 1/08) [3]</u>
A47L 5/00	Hauptgruppe	Structural features of suction cleaners
A47L 5/02	1-Punkt Untergruppe	. with user-driven air-pumps or compressors
A47L 5/04	2-Punkt Untergruppe	. . with pistons, bellows, or diaphragms, e.g. driven by the cleaner-supporting wheels
A47L 5/05	3-Punkt Untergruppe	. . . with driven dust-loosening tools
A47L 5/06	2-Punkt Untergruppe	. . with rotary fans
A47L 5/08	3-Punkt Untergruppe	. . . driven by cleaner-supporting wheels

Symbol	Typ	Titel
A47L 5/10	4-Punkt Untergruppe	. . . . with driven dust-loosening tools
A47L 5/12	1-Punkt Untergruppe	. with power-driven air-pumps or air-compressors, e.g. driven by motor vehicle engine vacuum
A47L 5/14	2-Punkt Untergruppe	. . cleaning by blowing-off, also combined with suction cleaning
A47L 5/16	2-Punkt Untergruppe	. . with suction devices other than rotary fans
A47L 5/18	3-Punkt Untergruppe	. . . with ejectors, e.g. connected to motor vehicle exhaust
A47L 5/20	3-Punkt Untergruppe	. . . with bellows, diaphragms or pistons
A47L 5/22	2-Punkt Untergruppe	. . with rotary fans
A47L 5/24	3-Punkt Untergruppe	. . . Hand-supported suction cleaners
A47L 5/26	4-Punkt Untergruppe	. . . . with driven dust-loosening tools
A47L 5/28	3-Punkt Untergruppe	. . . Suction cleaners with handles and nozzles fixed on the casings, e.g. wheeled suction cleaners with steering handle (A47L 5/24 takes precedence)
A47L 5/30	4-Punkt Untergruppe	. . . . with driven dust-loosening tools, e.g. rotating brushes
A47L 5/32	4-Punkt Untergruppe	. . . . with means for connecting a hose (hose couplings for suction cleaners A47L 9/24)
A47L 5/34	4-Punkt Untergruppe	. . . . with height adjustment of nozzles or dust-loosening tools
A47L 5/36	3-Punkt Untergruppe	. . . Suction cleaners with hose between nozzle and casing; Suction cleaners for fixing on staircases; Suction cleaners for carrying on the back
A47L 5/38	3-Punkt Untergruppe	. . . Built-in suction cleaner installations, i.e. with fixed tube system to which, at different stations, hoses can be connected
A47L 7/00	Hauptgruppe	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
A47L 7/02	1-Punkt Untergruppe	. with driven tools for special purposes
A47L 7/04	1-Punkt Untergruppe	. 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)
A47L 7/06	2-Punkt Untergruppe	. . for supporting the suction cleaner on the exhaust air
A47L 7/08	2-Punkt Untergruppe	. . with combustion of dust in exhaust air
A47L 9/00	Hauptgruppe	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
A47L 9/02	1-Punkt Untergruppe	. Nozzles (suction nozzles for fluid transport B65G 51/00)
A47L 9/04	2-Punkt Untergruppe	. . with driven brushes or agitators
A47L 9/06	2-Punkt Untergruppe	. . with fixed, e.g. adjustably fixed brushes or the like
A47L 9/08	2-Punkt Untergruppe	. . with means adapted for blowing
A47L 9/10	1-Punkt Untergruppe	. Filters (in general B01D; cyclones B04C); Dust separators; Dust removal; Automatic exchange of filters
A47L 9/12	2-Punkt Untergruppe	. . Dry filters
A47L 9/14	2-Punkt Untergruppe	. . Bags or the like; Attachment of, or closures for, bags

Symbol	Typ	Titel
A47L 9/16	2-Punkt Untergruppe	. . Arrangement or disposition of cyclones or other devices with centrifugal action
A47L 9/18	2-Punkt Untergruppe	. . Liquid filters
A47L 9/19	2-Punkt Untergruppe	. . Means for monitoring filtering operation [3]
A47L 9/20	1-Punkt Untergruppe	. Means for cleaning filters
A47L 9/22	1-Punkt Untergruppe	. Mountings for motor fan assemblies
A47L 9/24	1-Punkt Untergruppe	. Hoses; Hose couplings (hoses or hose joints in general F16L)
A47L 9/26	1-Punkt Untergruppe	. 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)
A47L 9/28	1-Punkt Untergruppe	. Installation of the electric equipment, e.g. adaptation or attachment to the suction cleaner; Regulation of suction cleaners by electric means
A47L 9/30	2-Punkt Untergruppe	. . Arrangement of illuminating devices
A47L 9/32	1-Punkt Untergruppe	. Handles
		<u>Cleaning floors, carpets, furniture, walls, or wall coverings</u>
A47L 11/00	Hauptgruppe	Machines for cleaning floors, carpets, furniture, walls, or wall coverings
A47L 11/02	1-Punkt Untergruppe	. Floor surfacing or polishing machines (polishing machines in general B24B 29/00)
A47L 11/03	2-Punkt Untergruppe	. . characterised by having provisions for supplying cleaning or polishing agents
A47L 11/04	2-Punkt Untergruppe	. . hand-driven
A47L 11/06	3-Punkt Untergruppe	. . . with reciprocating or oscillating tools
A47L 11/08	3-Punkt Untergruppe	. . . with rotating tools
A47L 11/10	2-Punkt Untergruppe	. . motor-driven
A47L 11/12	3-Punkt Untergruppe	. . . with reciprocating or oscillating tools
A47L 11/14	3-Punkt Untergruppe	. . . with rotating tools
A47L 11/16	4-Punkt Untergruppe	. . . . the tools being disc brushes
A47L 11/162	5-Punkt Untergruppe	. . . . . having only a single disc brush
A47L 11/164	5-Punkt Untergruppe	. . . . . Parts or details of the brushing tools
A47L 11/18	4-Punkt Untergruppe	. . . . the tools being roll brushes
A47L 11/19	5-Punkt Untergruppe	. . . . . Parts or details of the brushing tools
A47L 11/20	2-Punkt Untergruppe	. . combined with vacuum cleaning devices
A47L 11/202	3-Punkt Untergruppe	. . . having separate drive for the cleaning brushes
A47L 11/204	3-Punkt Untergruppe	. . . having combined drive for brushes and for vacuum cleaning
A47L 11/205	4-Punkt Untergruppe	. . . . for reciprocating brushes
A47L 11/206	4-Punkt Untergruppe	. . . . for rotary disc brushes
A47L 11/22	1-Punkt Untergruppe	. Floor-sweeping machines, hand-driven

Symbol	Typ	Titel
A47L 11/24	1-Punkt Untergruppe	. Floor-sweeping machines, motor-driven
A47L 11/26	1-Punkt Untergruppe	. Floor-scrubbing machines, hand-driven (A47L 11/29 takes precedence)
A47L 11/28	1-Punkt Untergruppe	. Floor-scrubbing machines, motor-driven (A47L 11/29 takes precedence)
A47L 11/282	2-Punkt Untergruppe	. . having rotary tools
A47L 11/283	3-Punkt Untergruppe	. . . the tools being disc brushes
A47L 11/284	2-Punkt Untergruppe	. . having reciprocating tools
A47L 11/29	1-Punkt Untergruppe	. Floor-scrubbing machines characterised by means for taking-up dirty liquid
A47L 11/292	2-Punkt Untergruppe	. . having rotary tools (A47L 11/30 takes precedence)
A47L 11/293	3-Punkt Untergruppe	. . . the tools being disc brushes
A47L 11/294	2-Punkt Untergruppe	. . having reciprocating tools (A47L 11/30 takes precedence)
A47L 11/30	2-Punkt Untergruppe	. . by suction
A47L 11/32	1-Punkt Untergruppe	. Carpet-sweepers (combined with suction cleaners A47L 7/02)
A47L 11/33	2-Punkt Untergruppe	. . having means for storing dirt
A47L 11/34	1-Punkt Untergruppe	. Machines for treating carpets in position by liquid, foam, or vapour, e.g. by steam
A47L 11/36	1-Punkt Untergruppe	. Machines for beating upholstery
A47L 11/38	1-Punkt Untergruppe	. Machines, specially adapted for cleaning walls, ceilings, roofs, or the like
A47L 11/40	1-Punkt Untergruppe	. 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
A47L 13/00	Hauptgruppe	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)
A47L 13/02	1-Punkt Untergruppe	. Scraping
A47L 13/022	2-Punkt Untergruppe	. . Scraper handles
A47L 13/03	2-Punkt Untergruppe	. . Scrapers having provisions for supplying cleaning agents
A47L 13/04	2-Punkt Untergruppe	. . with steel wool
A47L 13/06	2-Punkt Untergruppe	. . with wire brushes or wire meshes
A47L 13/07	3-Punkt Untergruppe	. . . Metal sponges (A47L 13/022, A47L 13/03 take precedence)
A47L 13/08	2-Punkt Untergruppe	. . with scraping blades
A47L 13/10	1-Punkt Untergruppe	. Scrubbing; Scouring; Cleaning; Polishing
A47L 13/11	2-Punkt Untergruppe	. . Squeegees [3]
A47L 13/12	2-Punkt Untergruppe	. . Implements with several different treating devices [3]
A47L 13/14	2-Punkt Untergruppe	. . combined with squeezing or wringing devices
A47L 13/142	3-Punkt Untergruppe	. . . having torsional squeezing or wringing action
A47L 13/144	3-Punkt Untergruppe	. . . having squeezing rollers

Symbol	Typ	Titel
A47L 13/146	3-Punkt Untergruppe	. . . having pivoting squeezing plates
A47L 13/16	2-Punkt Untergruppe	. . Cloths; Pads; Sponges (metal scraping sponges A47L 13/07)
A47L 13/17	3-Punkt Untergruppe	. . . containing cleaning agents (A47L 13/19 takes precedence)
A47L 13/18	3-Punkt Untergruppe	. . . Gloves; Glove-like cloths
A47L 13/19	4-Punkt Untergruppe	. . . . containing cleaning agents
A47L 13/20	2-Punkt Untergruppe	. . Mops
A47L 13/22	3-Punkt Untergruppe	. . . with liquid-feeding devices
A47L 13/23	4-Punkt Untergruppe	. . . . connectible to the water mains
A47L 13/24	3-Punkt Untergruppe	. . . Frames for mops; Mop heads (handles B25G)
A47L 13/25	4-Punkt Untergruppe	. . . . Wire frames
A47L 13/252	5-Punkt Untergruppe	. . . . . for mops of textile fringes or the like
A47L 13/253	5-Punkt Untergruppe	. . . . . of adjustable or foldable type
A47L 13/254	4-Punkt Untergruppe	. . . . Plate frames
A47L 13/255	5-Punkt Untergruppe	. . . . . for mops of textile fringes or the like
A47L 13/256	5-Punkt Untergruppe	. . . . . for mops made of cloth
A47L 13/257	5-Punkt Untergruppe	. . . . . for mops made of sponge material
A47L 13/258	5-Punkt Untergruppe	. . . . . of adjustable or foldable type
A47L 13/26	2-Punkt Untergruppe	. . 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]
A47L 13/28	2-Punkt Untergruppe	. . Polishing implements (polishing machines A47L 11/02)
A47L 13/282	3-Punkt Untergruppe	. . . mounted under footwear
A47L 13/284	3-Punkt Untergruppe	. . . having fixed or detachable weights
A47L 13/286	3-Punkt Untergruppe	. . . having containers for storing polishing material, e.g. polishing paper
A47L 13/29	3-Punkt Untergruppe	. . . having movable or detachable polishing or shining cloths
A47L 13/294	3-Punkt Untergruppe	. . . having invertible head, one side being used for dispensing polishing material and the reverse side for shining
A47L 13/30	3-Punkt Untergruppe	. . . Implements for polishing and waxing or oiling, with dispensers for wax or oil
A47L 13/31	4-Punkt Untergruppe	. . . . having movable or detachable polishing or shining cloths
A47L 13/312	5-Punkt Untergruppe	. . . . . supplied with liquid wax or oil
A47L 13/314	4-Punkt Untergruppe	. . . . having invertible head, one side being used for dispensing wax or oil and the reverse side for shining
A47L 13/316	5-Punkt Untergruppe	. . . . . supplied with liquid wax or oil
A47L 13/32	3-Punkt Untergruppe	. . . Wax dispensers with heating arrangements

Symbol	Typ	Titel
A47L 13/34	2-Punkt Untergruppe	. . Scouring implements for hearths or metal objects
A47L 13/36	2-Punkt Untergruppe	. . Carpet-beaters
A47L 13/38	2-Punkt Untergruppe	. . Other dusting implements
A47L 13/40	2-Punkt Untergruppe	. . Cleaning implements actuated by electrostatic attraction; Devices for cleaning same; Magnetic cleaning implements
A47L 13/41	3-Punkt Untergruppe	. . . Magnetic cleaning implements
A47L 13/42	2-Punkt Untergruppe	. . Details
A47L 13/44	3-Punkt Untergruppe	. . . Securing scouring-cloths to the brush or like body of the implement
A47L 13/46	3-Punkt Untergruppe	. . . Securing scouring- or polishing-cloths or sponges to the handles by gripping means, tongs, or the like
A47L 13/48	3-Punkt Untergruppe	. . . Protective devices, such as bumpers or guard plates
A47L 13/50	2-Punkt Untergruppe	. . Auxiliary implements (cleaning devices for brushes or the like A46B 17/06)
A47L 13/502	3-Punkt Untergruppe	. . . Shakers for dust-cloths or mops; Bumpers therefor
A47L 13/51	3-Punkt Untergruppe	. . . Storing of cleaning tools, e.g. containers therefor
A47L 13/512	4-Punkt Untergruppe	. . . . Clamping devices for hanging the tools
A47L 13/52	3-Punkt Untergruppe	. . . Dust pans; Crumb trays
A47L 13/54	3-Punkt Untergruppe	. . . Racks for beating carpets
A47L 13/56	3-Punkt Untergruppe	. . . Implements for applying wax or oil
A47L 13/58	3-Punkt Untergruppe	. . . Wringers for scouring pads, mops, or the like, combined with buckets
A47L 13/59	4-Punkt Untergruppe	. . . . with movable squeezing members
A47L 13/60	4-Punkt Untergruppe	. . . . with squeezing rollers
A47L 13/62	3-Punkt Untergruppe	. . . Kneeling supports, especially wheeled (kneeling cushions attachable to knees A41D 13/06)
		<u>Cleaning or polishing household articles or the like</u>
A47L 15/00	Hauptgruppe	Washing or rinsing machines for crockery or table-ware
A47L 15/02	1-Punkt Untergruppe	. with circulation and agitation of the cleaning liquid in the cleaning chamber containing a stationary basket
A47L 15/04	2-Punkt Untergruppe	. . by reciprocating movement of the cleaning chamber
A47L 15/06	2-Punkt Untergruppe	. . by means of an impeller in the chamber
A47L 15/08	2-Punkt Untergruppe	. . by application of a pressure effect produced by pumps
A47L 15/10	2-Punkt Untergruppe	. . by introducing compressed air or other gas into the liquid
A47L 15/12	2-Punkt Untergruppe	. . by a boiling effect
A47L 15/13	2-Punkt Untergruppe	. . using sonic or ultrasonic waves [5]
A47L 15/14	1-Punkt Untergruppe	. with stationary crockery baskets and spraying devices within the cleaning chamber
A47L 15/16	2-Punkt Untergruppe	. . with rigidly-mounted spraying devices
A47L 15/18	2-Punkt Untergruppe	. . with movably-mounted spraying devices

Symbol	Typ	Titel
A47L 15/20	3-Punkt Untergruppe	. . . Swingable spraying devices
A47L 15/22	3-Punkt Untergruppe	. . . Rotary spraying devices
A47L 15/23	4-Punkt Untergruppe	. . . . moved by means of the sprays
A47L 15/24	1-Punkt Untergruppe	. with movement of the crockery baskets by conveyers
A47L 15/26	1-Punkt Untergruppe	. with movement of the crockery baskets by other means
A47L 15/28	2-Punkt Untergruppe	. . by lowering and lifting only
A47L 15/30	2-Punkt Untergruppe	. . by rotating only
A47L 15/32	3-Punkt Untergruppe	. . . rotated by means of spraying water
A47L 15/33	3-Punkt Untergruppe	. . . with moving baskets submerged in the cleaning fluid
A47L 15/34	2-Punkt Untergruppe	. . by lowering and lifting combined with a rotating movement
A47L 15/36	2-Punkt Untergruppe	. . by a sideways motion
A47L 15/37	1-Punkt Untergruppe	. with crockery cleaned by brushes [3]
A47L 15/39	2-Punkt Untergruppe	. . with brushes on movable supports [3]
A47L 15/42	1-Punkt Untergruppe	. Details
A47L 15/44	2-Punkt Untergruppe	. . Devices for adding cleaning agents
A47L 15/46	2-Punkt Untergruppe	. . Devices for the automatic control of the different phases of cleaning
A47L 15/48	2-Punkt Untergruppe	. . Drying arrangements
A47L 15/50	2-Punkt Untergruppe	. . Racks
A47L 17/00	Hauptgruppe	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	1-Punkt Untergruppe	. Basins (dish-washing tables A47B 33/00; sanitary basins A47K 1/04; basins connected to waste pipe E03C 1/12)
A47L 17/04	1-Punkt Untergruppe	. Pan or pot cleaning utensils
A47L 17/06	2-Punkt Untergruppe	. . Scrapers
A47L 17/08	2-Punkt Untergruppe	. . Pads; Balls of steel wool, wire, or plastic meshes
A47L 17/10	1-Punkt Untergruppe	. Tongs for crockery
A47L 19/00	Hauptgruppe	Drying devices for crockery or table-ware, e.g. tea-cloths
A47L 19/02	1-Punkt Untergruppe	. Draining-boards
A47L 19/04	1-Punkt Untergruppe	. Crockery baskets; Draining-racks
A47L 21/00	Hauptgruppe	Polishing of table-ware, e.g. knives, forks, spoons
A47L 21/02	1-Punkt Untergruppe	. Machines
A47L 21/04	1-Punkt Untergruppe	. Hand implements
A47L 21/06	1-Punkt Untergruppe	. Supports or rests for use while polishing
A47L 23/00	Hauptgruppe	Cleaning footwear

Symbol	Typ	Titel
A47L 23/02	1-Punkt Untergruppe	. Shoe-cleaning machines, with or without applicators for shoe polish
A47L 23/04	1-Punkt Untergruppe	. Hand implements for shoe-cleaning, with or without applicators for shoe polish (ordinary brushes, with or without containers, A46B 11/00)
A47L 23/05	2-Punkt Untergruppe	. . with applicators for shoe polish
A47L 23/06	2-Punkt Untergruppe	. . with electric drive
A47L 23/08	2-Punkt Untergruppe	. . Special hand implements for cleaning and recolouring footwear, e.g. powder pads
A47L 23/10	2-Punkt Untergruppe	. . Cloth or collapsible cleaning pads; Glove-like cleaning cloths (glove-like washing cloths A47K 7/02)
A47L 23/12	2-Punkt Untergruppe	. . Cleaning devices for suede
A47L 23/14	2-Punkt Untergruppe	. . Implements for use during shoe-cleaning, to guard against spoiling
A47L 23/16	1-Punkt Untergruppe	. Shoe-shine stands; Foot-rests with guides for the polishing cloths
A47L 23/17	2-Punkt Untergruppe	. . Foot-rests with guides for the polishing cloths
A47L 23/18	1-Punkt Untergruppe	. Devices for holding footwear during cleaning or shining (shoe-lasts A43D 3/00); Holding devices with stretching effect
A47L 23/20	1-Punkt Untergruppe	. Devices or implements for drying footwear, also with heating arrangements (cabinets for shoes A47B 61/04)
A47L 23/22	1-Punkt Untergruppe	. 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)
A47L 23/24	2-Punkt Untergruppe	. . Rigid cleaning-gratings; Tread plates or scrapers for cleaning the soles of footwear (floor mats in general A47G 27/02)
A47L 23/26	2-Punkt Untergruppe	. . Mats or gratings combined with brushes
A47L 23/28	1-Punkt Untergruppe	. Receptacles for shoe-cleaning equipment
A47L 25/00	Hauptgruppe	Domestic cleaning devices not provided for in other groups of this subclass (for cleaning spectacles G02C 13/00)
A47L 25/02	1-Punkt Untergruppe	. for buttons, clasps, or military insignia
A47L 25/04	1-Punkt Untergruppe	. for door-knobs
A47L 25/06	1-Punkt Untergruppe	. Guard plates for use while cleaning butts, door-knobs or the like
A47L 25/08	1-Punkt Untergruppe	. Pads or the like for cleaning clothes
A47L 25/12	1-Punkt Untergruppe	. Devices or implements for cleaning lamp chimneys