

**CPC****COOPERATIVE PATENT CLASSIFICATION****A47K**

**SANITARY EQUIPMENT NOT OTHERWISE PROVIDED FOR** (connecting to water supply or waste pipe, sinks [E03C](#); water-closets [E03D](#)); **TOILET ACCESSORIES** (cosmetic equipment [A45D](#))

**A47K 1/00**

**Wash-stands; Appurtenances therefor** (devices for washing the hair or scalp [A45D 19/00](#); basins used in manual washing or cleaning of crockery, table-ware, cooking-ware, or the like [A47L 17/02](#); with appurtenances for curative purposes [A61H](#))

## A47K 1/02

- . Portable toilet tables; Wash cabinets or stands (for automobiles [B60R](#); for railway cars [B61D](#); for ships [B63B](#); for aircraft [B64D](#); connected to waste pipe [E03C](#))

## A47K 1/04

- . Basins (connected to waste pipe [E03C 1/12](#)); Jugs; Holding devices therefor

## A47K 1/05

- . . Holding devices for basins or jugs

## A47K 1/06

- . Replaceable hygienic linings or casings for wash-basins

## A47K 1/08

- . Accessories for toilet tables, e.g. glass plates, supports therefor (towel holders [A47K 10/00](#))

## A47K 1/09

- . . Holders for drinking glasses, tooth brushes, hair brushes, or the like

## A47K 1/10

- . Detachable frames with hand basins mountable on baths

## A47K 1/12

- . Wash-basins attachable to sinks; Collapsible washing stands attachable to sinks (supports attachable to sinks in general [A47J 47/20](#))

## A47K 1/14

- . Stoppers for wash-basins, baths, sinks, or the like

**A47K 3/00**

**Baths; Douches; Appurtenances therefor** (for curative purposes [A61H](#), [A61M](#), e.g. bathing devices for special therapeutic or hygienic purposes [A61H 33/00](#); {spray heads [B05B](#); devices for suspending or supporting the supply pipe or supply hose of a shower bath [E03C 1/06](#); heated bath tubs [F24H 1/0072](#)})

## A47K 3/001

- . {Accessories for baths, not provided for in other subgroups of group [A47K 3/00](#)(bath lifting devices for sick persons and invalids [A61G 7/10](#)); Insertions, e.g. for babies; Tubs suspended or inserted in baths; Security or alarm devices; Protecting linings or coverings; Devices for cleaning or disinfecting baths; Bath insulation}

## A47K 3/002

- . . {Non-slip mats for baths}

## A47K 3/003

- . . {Grips for baths}

## A47K 3/004

- . . {Trays}

## A47K 3/005

- . . { Tap covers for protection against injury}

## A47K 3/006

- . {Doors to get in and out of baths more easily}

## A47K 3/007

- . {Tipping-devices for baths}

- A47K 3/008 . {Sealing between wall and bathtub or shower tray}
- A47K 3/02 . Baths (heatable [F24H](#))
- A47K 3/022 .. specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position ({ doors to get in and out of baths more easily [A47K 3/006](#)}; collapsible baths [A47K 3/062](#))
- A47K 3/024 ... specially adapted for use for children or babies
- A47K 3/03 .. attachable to other baths, sinks, wash-basins, or the like {mounting frames for therefor}(collapsible baths [A47K 3/07](#))
- A47K 3/034 ... specially adapted for use for children or babies
- A47K 3/04 .. Built-in baths {([A47K 3/16](#) takes precedence)}
- A47K 3/06 .. Collapsible baths, {e.g. inflatable; Movable baths}
- A47K 3/062 ... specially adapted for particular use, e.g. for washing the feet, for bathing in sitting position
- A47K 3/064 .... specially adapted for use for children or babies; {Mounting frames therefor}
- A47K 3/07 ... attachable to other basins, or the like
- A47K 3/074 .... specially adapted for use for children or babies {on dressing-tables for babies}
- A47K 3/08 .. Cabinet baths (collapsible shower bath cabinets [A47K 3/23](#))
- A47K 3/10 . Wave-producers or the like, {e.g. with devices for admitting gas, e.g. air, in the bath-water (baths with gas-containing liquids [A61H 33/02](#); for swimming-pools [E04H 4/0006](#))}
- A47K 3/12 . Separate seats or body supports (seats for chairs [A47C 7/02](#); {invalid lifting devices mounted on or in combination with a bathtub [A61G 7/10C](#)})
- A47K 3/122 .. {Seats (specially adapted for showers [A47K 3/282](#))}
- A47K 3/125 .. {Body supports}
- A47K 3/127 ... {for children or babies}
- A47K 3/14 . Replaceable separating walls for baths (sinks with separating walls [E03C 1/18](#))
- A47K 3/16 . Devices for fastening baths to floors or walls; Adjustable bath feet; {Lining panels or attachments therefor}
- A47K 3/1605 .. {Hard foam bathtub supports}
- A47K 3/161 .. {Bathtub aprons}
- A47K 3/1615 ... {Inspection openings}
- A47K 3/162 .. Collapsible stands or supports for baths
- A47K 3/164 ... for child or baby baths
- A47K 3/17 .. Adjustable bath feet
- A47K 3/18 . combined with hand basins
- A47K 3/20 . combined with douches
- A47K 3/26 . Bidets without upward spraying means (bidets with upward spraying means [A61H 35/00](#), [E03D 9/08](#))

- A47K 3/28 . Showers { or bathing douches}(combined with baths [A47K 3/20](#); nozzles, spray heads [B05B 1/00](#); { means for suspending or supporting the supply pipe or supply hose [E03C 1/06](#)})
- A47K 3/281 .. {Accessories for showers or bathing douches, e.g. cleaning devices for walls or floors of showers ([A47K 3/30](#), [A47K 3/38](#), [A47K 3/40](#) take precedence)}
- A47K 3/282 ... {Seats specially adapted for showers}
- A47K 3/283 .. {Fixed showers (pans or trays [A47K 3/40](#))}
- A47K 3/284 ... {Pre-fabricated shower cabinets}
- A47K 3/285 ... {Free-standing or hanging showers without a cabinet}
- A47K 3/286 ... {Emergency showers}
- A47K 3/287 .. {Shower rings, i.e. perforated hollow rings worn on the neck of the bather}
- A47K 3/288 .. {Independent, movable shower units operated by weight, by hand or by footpumps}
- A47K 3/30 .. Screens or {collapsible} cabinets {for showers or baths ([A47K 3/283](#) takes precedence)}
- A47K 3/302 ... {splash guards}
- A47K 3/32 ... Collapsible cabinets
- A47K 3/325 .... [movable, e.g. for easy transportation to the site of use]
- A47K 3/34 ... Slidable screens ([A47K 3/36](#) takes precedence)
- A47K 3/36 ... Articulated screens
- A47K 3/362 .... {comprising sliding and articulated panels}
- A47K 3/38 .. Curtain arrangements (curtains, curtain suspension devices [A47H](#))
- A47K 3/40 .. Pans or trays
- A47K 3/405 ... { flush with the surrounding floor, e.g. for easy access}
  
- A47K 4/00** **Combinations of baths, douches, sinks, wash-basins, closets, or urinals, not covered by a single other group of this subclass** {(such combinations when connected to water supply or waste pipe [E03C 1/01](#))}
  
- A47K 5/00** **Holders or dispensers for soap, toothpaste, or the like** (specially adapted for shaving soap or cosmetics [A45D 33/00](#) to [A45D 40/00](#))
  
- A47K 5/02 . Soap boxes or receptacles {(soap-cake holders having fixing devices such as clamps, pins, magnets, [A47K 5/05](#))}
- A47K 5/03 .. separate from wall or wash-stand
- A47K 5/04 . Other soap-cake holders
- A47K 5/05 .. having fixing devices for cakes of soap, e.g. clamps, pins, magnets {(soap-cakes provided with supports to avoid melting [C11D](#))}
  
- A47K 5/06 . Dispensers for soap
- A47K 5/08 .. for solid soap
- A47K 5/09 ... with means for scraping or grating
- A47K 5/10 .. for powdered soap
- A47K 5/12 .. for liquid or pasty soap
- A47K 5/1201 ... {hand-carried}

- A47K 5/1202 . . . {dispensing dosed volume ([A47K 5/1201](#) takes precedence)}
- A47K 5/1204 . . . . {by means of a rigid dispensing chamber and pistons}
- A47K 5/1205 . . . . . {Dispensing from the top of the dispenser with a vertical piston}
- A47K 5/1207 . . . . . {Dispensing from the bottom of the dispenser with a vertical piston}
- A47K 5/1208 . . . . {by means of a flexible dispensing chamber}
- A47K 5/1209 . . . . . {with chamber in the form of a cylindrical tube}
- A47K 5/1211 . . . {using pressure on soap, e.g. with piston ([A47K 5/1201](#) takes precedence; by squeezing [A47K 5/122](#))}
- A47K 5/1212 . . . . {applied by a screwing action}
- A47K 5/1214 . . . . {applied by gravitational force}
- A47K 5/1215 . . . . {applied by a peristaltic action}
- A47K 5/1217 . . . {Electrical control means for the dispensing mechanism}
- A47K 5/122 . . . using squeeze bottles or the like {([A47K 5/1201](#) takes precedence)}
- A47K 5/13 . . . of invertible type {([A47K 5/1201](#) takes precedence)}
  
- A47K 5/14 . . . Foam or lather making devices (for shaving [A45D 27/02](#))
- A47K 5/16 . . . with mechanical drive (food mixers [A47J 43/04](#))
  
- A47K 5/18 . . . for both soap and toothpaste or the like; in combination with holders for drinking glasses, toothbrushes, or the like; {Toothpaste dispensers; Dental care centers (soap dispensers per se [A47K 5/06](#); dispensers using pliable containers with auxiliary devices for expelling contents [B65D 35/28](#))}
  
- A47K 7/00** **Body washing or cleaning implements** (bathing devices for special therapeutic or hygienic purposes [A61H 33/00](#); baths for specific parts of the body [A61H 35/00](#))
  
- A47K 7/02 . . . Bathing sponges, brushes, gloves, or similar cleaning or rubbing implements (brushes in general [A46B](#); sponges for domestic cleaning [A47L 13/16](#); specially for massage [A61H 7/00](#))
- A47K 7/022 . . . {for washing the back, e.g. bath straps ([A47K 7/028](#) and [A47K 7/04](#) take precedence)}
- A47K 7/024 . . . . {characterised by a wall or bath tub mounting}
- A47K 7/026 . . . {for cleaning the feet or toes}
- A47K 7/028 . . . {having a rigid handle ([A47K 7/026](#) takes precedence)}
- A47K 7/03 . . . containing soap or other cleaning ingredients, e.g. impregnated
  
- A47K 7/04 . . . {Mechanical} washing or cleaning devices, hand or mechanically, {i.e. power} operated
- A47K 7/043 . . . {hand operated}
- A47K 7/046 . . . {water-flow operated}
  
- A47K 7/06 . . . Washing devices for one-armed persons
  
- A47K 7/08 . . . Devices or hand implements for cleaning the buttocks
  
- A47K 10/00** **Body-drying implements; Toilet paper; Holders therefor**

- A47K 10/02 . Towels (made of paper [A47K 10/16](#); woven fabrics [D03D](#); non-woven fabrics [D04H](#))
- A47K 10/025 .. {[Holders](#); [Boxes \(dispensers \[A47K 10/24\]\(#\)\)](#)}
  
- A47K 10/04 . Towel racks; Towel rails; Towel rods; Towel rolls, e.g. rotatable
- A47K 10/06 .. combined with means for drying towels ([A47K 10/30](#) takes precedence)
- A47K 10/08 .. characterised by being mounted on wash-basins, baths, or the like
- A47K 10/10 .. characterised by being mounted on cabinets, walls, doors, or the like
  
- A47K 10/12 . Grips, hooks, or the like for hanging-up towels
- A47K 10/14 .. Self-holding grips
  
- A47K 10/16 . Paper towels; Toilet paper; Holders therefor ([dispensers \[A47K 10/32\]\(#\)](#))
- A47K 10/18 .. Holders; Receptacles {(with [dispensers \[A47K 10/32\]\(#\)](#))}
- A47K 10/185 ... {[Holders for boxes of tissue](#)}
- A47K 10/20 ... for piled sheets
- A47K 10/22 ... for rolled-up webs ([drawing-off paper from a roll in general \[B65H\]\(#\)](#))
  
- A47K 10/24 . Towel dispensers, {e.g. for piled-up or folded textile towels}; Toilet-paper dispensers ([sheet or web dispensers in general \[B65H\]\(#\)](#); {[paper dispensers for publicity purposes \[G09F 21/22\]\(#\), \[G09F 23/10\]\(#\)](#)}); Dispensers for piled-up or folded textile towels provided or not with devices for taking-up soiled towels as far as not mechanically driven
- A47K 10/26 .. Mechanically-driven towel dispensers, {e.g. with storing devices for soiled towels}{[A47K 10/28](#) takes precedence; for paper towels [A47K 10/34](#)}
- A47K 10/28 .. dispensing a clean part and taking-up a soiled part, e.g. using rolls; {with [dispensers for soap or other detergents](#); with disinfecting or heating devices}
- A47K 10/30 ... combined with washing and drying means for the soiled parts
- A47K 10/32 .. Dispensers for paper towels or toilet-paper
- A47K 10/34 ... dispensing from a web, e.g. with mechanical dispensing means
- A47K 10/36 .... with {[mechanical dispensing](#), [roll switching](#) or} cutting devices
- A47K 10/3606 ..... { The cutting devices being motor driven}
- A47K 10/3612 ..... { with drive and pinch rollers}
- A47K 10/3618 ..... { The drive roller pressing against the paper roll}
- A47K 10/3625 ..... { with electronic control means}
- A47K 10/3631 ..... { The cutting devices being driven manually}
- A47K 10/3637 ..... { using a crank or handle}
- A47K 10/3643 ..... { by pulling the paper}
- A47K 10/3656 ..... { with paper jam preventing devices}
- A47K 10/3662 ..... { with devices preventing the use of non-authorized paper rolls}
- A47K 10/3687 ..... {with one or more reserve rolls}
- A47K 10/38 ..... the web being rolled up {with or without tearing edge ([A47K 10/36](#) and [A47K 10/46](#) take precedence)}
- A47K 10/3809 ..... {with roll spindles which are not directly supported}
- A47K 10/3818 ..... {with a distribution opening which is perpendicular to the rotation axis}
- A47K 10/3827 ..... {with a distribution opening which is parallel to the rotation axis}

- A47K 10/3836 . . . . . {with roll spindles which are supported at one side}
- A47K 10/3845 . . . . . { with devices preventing the use of non-authorized paper rolls}
- A47K 10/40 . . . . . with extensible or collapsible roll supports {or roll spindles}
- A47K 10/405 . . . . . {the roll support comprising several arm sections}
- A47K 10/42 . . . . . dispensing from a store of single sheets, e.g. stacked
- A47K 10/421 . . . . . {dispensing from the top of the dispenser ([A47K 10/44](#) takes precedence)}
- A47K 10/422 . . . . . {with means for urging the whole stack upwards towards the dispensing opening, e.g. a spring, a counterweight}
- A47K 10/423 . . . . . {with hold-down means riding on the top of the stack, e.g. a press plate with dispensing opening}
- A47K 10/424 . . . . . {dispensing from the bottom part of the dispenser ([A47K 10/44](#) takes precedence)}
- A47K 10/425 . . . . . {with means for urging the whole stack towards the dispensing opening, e.g. a weight plate}
- A47K 10/426 . . . . . {dispensing from the front or sides of the dispenser ([A47K 10/424](#) and [A47K 10/44](#) take precedence)}
- A47K 10/427 . . . . . {with means for urging the whole stack towards the dispensing opening, e.g. a spring}
- A47K 10/44 . . . . . with mechanical dispensing means {for prehension of the next sheet to be dispensed}
- A47K 10/46 . . . . . with means for storing soiled towels
- A47K 10/48 . . . . . Drying by means of hot air (hair-drying devices [A45D 20/00](#); curative hot-air baths [A61H 33/06](#); electric heating elements [H05B](#))
- A47K 10/485 . . . . . {combined with a textile or paper towel dispenser}
- A47K 11/00** **Closets without flushing** (closets with recirculation of bowl-cleaning fluid [E03D 5/016](#)); **Urinals without flushing** (for vehicles in general [B60R](#); closets for railway-cars [B61D](#); for ships [B63B](#); for aircraft [B64D](#); urinals with flushing arrangements [E03D 13/00](#)); **Chamber pots; Chairs with toilet conveniences or specially adapted for use with toilets**
- A47K 11/02 . . . . . Dry closets, e.g. incinerator closets
- A47K 11/023 . . . . . {Incinerator closets}
- A47K 11/026 . . . . . {with continuous tubular film for receiving faeces}
- A47K 11/03 . . . . . having means for adding powder, e.g. earth
- A47K 11/035 . . . . . {with chemical solvents}
- A47K 11/04 . . . . . Room closets; Chairs with toilet conveniences or specially adapted for use with toilets, e.g. night chairs; {Closets for children, also with signalling means, e.g. with a music box, or the like}
- A47K 11/045 . . . . . {inflatable or with inflatable parts}
- A47K 11/06 . . . . . Chamber-pots (bed pans or other sanitary devices for bed-ridden persons [A61G 9/00](#)); {Throw-away urinals for non-bedridden persons; Chamber-pots for children, also with signalling means, e.g. with amusic box, or the like}
- A47K 11/08 . . . . . Night cabinets or tables with closet or bidet equipment (bedside cabinets per se [A47B 79/00](#))

- A47K 11/10 . Hand tools for cleaning the toilet bowl, {seat or cover, e.g. toilet brushes (cleaning devices without flushing [A47K 17/00](#); mechanical devices for cleaning toilet bowls [E03D](#))}
- A47K 11/105 . . {Disposable covers to keep the bowl clean}
- A47K 11/12 . Urinals without flushing ({portable urinating aids [A61F 5/4556](#); urinals for bed-ridden persons [A61G 9/00](#))
- A47K 13/00** **Seats or covers for all kinds of closets** {(dog or cat toilets adapted to fit on conventional toilets [A01K 1/0121](#))}
- A47K 13/005 . {Auxiliary or portable seats (for children [A47K 13/06](#))}
- A47K 13/02 . of plastic materials
- A47K 13/04 . Buffers for seats
- A47K 13/06 . Auxiliary or portable seats for children
- A47K 13/08 . Covers with urine funnels
- A47K 13/10 . Devices for raising and lowering, {e.g. tilting or lifting mechanisms}(thereby controlling flushing valves [E03D 5/04](#)); {Collapsible or rotating seats or covers}
- A47K 13/105 . . {Toilet seat or toilet cover handles}
- A47K 13/12 . Hinges
- A47K 13/14 . Protecting covers for closet seats
- A47K 13/145 . . { of rolled-up paper tubes or rolled-up plastic tubes}
- A47K 13/16 . . of single sheets of paper {or plastic foil or film}
- A47K 13/165 . . . {Dispensers therefor}
- A47K 13/18 . . of paper {or plastic} webs {([A47K 13/145](#) takes precedence)}
- A47K 13/20 . . . {Dispensers therefor} with cutting devices
- A47K 13/22 . . . rolled-up; {Dispensers therefor}([A47K 13/20](#) takes precedence)
- A47K 13/225 . . . . {with means for taking up the soiled part}
- A47K 13/24 . Parts or details not covered in, or of interest apart from, groups [A47K 13/02](#) to [A47K 13/22](#), {e.g. devices imparting a swinging or vibrating motion to the seats}
- A47K 13/242 . . {Devices for locking the cover in the closed position}
- A47K 13/245 . . { Devices for locking the cover in the open position}
- A47K 13/247 . . { Covers with sliding wings or wings pivoting around a vertical axis}
- A47K 13/26 . . Mounting devices for seats or covers (hinges [A47K 13/12](#))
- A47K 13/28 . . Adjustably-mounted seats or covers {(for auxiliary or portable seats [A47K 13/06](#))}
- A47K 13/30 . . Seats having provisions for heating, deodorising or the like, {e.g. ventilating, noise-dampening or cleaning devices}
- A47K 13/302 . . . { Seats with cleaning devices (apparatus for cleaning toilet bowls or whole toilets [E03D 9/002](#))}

- A47K 13/305 . . . { Seats with heating devices}
- A47K 13/307 . . . { Seats with ventilating devices}
- A47K 17/00** **Other equipment**, {e.g. separate apparatus for deodorising, disinfecting or cleaning devices without flushing for toilet bowls, seats or covers; Holders for toilet brushes (portable urinating aids [A61F 5/4556](#));(devices for receiving spittle [A61J 19/00](#); {disinfecting apparatus for medical, surgical or hygienic purposes [A61L](#); cleaning devices with flushing for toilet bowls, seats or covers [E03D 9/00](#); for emptying or cleaning chamber-pots, bed pans, bed urinals or the like [E03D 11/025](#))}
- A47K 17/003 . {Dispensers or holders for protecting covers for toilet bowls, seats or covers (combined with seats [A47K 13/24](#))}
- A47K 17/02 . Body supports, other than seats, for closets, e.g. handles, back-rests, foot-rests; Accessories for closets, e.g. reading tables; {(devices for lifting patients or disabled persons [A61G 7/10](#))}
- A47K 17/022 . . { Wall mounted grab bars or handles, with or without support on the floor}
- A47K 17/024 . . . { pivotally mounted on the wall}
- A47K 17/026 . . { Armrests mounted on or around the toilet ([17/02B](#) takes precedence)}
- A47K 17/028 . . { Foot- or knee-rests}
- A47K 2003/00** **Baths; Douches; Appurtenances therefor** (for curative purposes [A61H](#), [A61M](#), e.g. bathing devices for special therapeutic or hygienic purposes [A61H 33/00](#); {spray heads [B05B](#); devices for suspending or supporting the supply pipe or supply hose of a shower bath [E03C 1/06](#); heated bath tubs [F24H 1/0072](#))}
- A47K 2003/28 . Showers { or bathing douches}(combined with baths [A47K 3/20](#); nozzles, spray heads [B05B 1/00](#); { means for suspending or supporting the supply pipe or supply hose [E03C 1/06](#))}
- A47K 2003/30 . . Screens or {collapsible} cabinets {for showers or baths ([A47K 3/283](#) takes precedence)}
- A47K 2003/305 . . . Sealings between screen and bath- or showertub
- A47K 2003/307 . . . Adjustable connections to the wall
- A47K 2003/36 . . . Articulated screens
- A47K 2003/365 . . . . Lifiable articulated screens to be swung over the faucets and against the wall
- A47K 2003/367 . . . . Hinges urging the articulated screen in one or more stable positions
- A47K 2005/00** **Holders or dispensers for soap, toothpaste, or the like** (specially adapted for shaving soap or cosmetics [A45D 33/00](#) to [A45D 40/00](#))
- A47K 2005/06 . Dispensers for soap
- A47K 2005/12 . . for liquid or pasty soap
- A47K 2005/1218 . . . Table mounted ; Dispensers integrated with the mixing tap
- A47K 2010/00** **Body-drying implements; Toilet paper; Holders therefor**

- A47K 2010/24 . Towel dispensers, {e.g. for piled-up or folded textile towels}; Toilet-paper dispensers (sheet or web dispensers in general [B65H](#); {paper dispensers for publicity purposes [G09F 21/22](#), [G09F 23/10](#)}); Dispensers for piled-up or folded textile towels provided or not with devices for taking-up soiled towels as far as not mechanically driven
- A47K 2010/32 .. Dispensers for paper towels or toilet-paper
- [A47K 2010/3206](#) ... Coreless paper rolls
- [A47K 2010/3213](#) ... activated by coins
- [A47K 2010/322](#) ... with means for deodorizing the ambient air
- [A47K 2010/3226](#) ... collecting data of usage
- [A47K 2010/3233](#) ... Details of the housing, e.g. hinges, connection to the wall
- [A47K 2010/324](#) ... Jumbo rolls
- [A47K 2010/3246](#) ... Locking mechanisms for the housing
- [A47K 2010/3253](#) ... with one or more reserve rolls
- [A47K 2010/326](#) ... dispensing simultaneously from several rolls or stacks
- [A47K 2010/3266](#) ... Wet wipes
- [A47K 2010/3273](#) .... moistened just before use
- [A47K 2010/328](#) ..... by spraying
- [A47K 2010/3286](#) ..... mby rollers
- [A47K 2010/3293](#) .... combined with wipe warming devices
- [A47K 2010/34](#) ... dispensing from a web, e.g. with mechanical dispensing means
- [A47K 2010/36](#) .... with {mechanical dispensing, roll switching or} cutting devices
- [A47K 2010/3631](#) ..... { The cutting devices being driven manually}
- [A47K 2010/365](#) ..... Triggering mechanism for the blade
- [A47K 2010/3668](#) ..... Detection of the presence of a user
- [A47K 2010/3675](#) ..... Braking devices
- [A47K 2010/3681](#) ..... characterised by the way a new paper roll is loaded in the dispenser
- [A47K 2010/3693](#) ..... Selection of the size of the paper roll
- [A47K 2010/38](#) .... the web being rolled up {with or without tearing edge ([A47K 10/36](#) and [A47K 10/46](#) take precedence)}
- [A47K 2010/3854](#) ..... with devices for disposing of the empty core
- [A47K 2010/3863](#) ..... with roll rotation braking devices
- [A47K 2010/3872](#) ..... the roll support running in inclined grooves
- [A47K 2010/3881](#) ..... with tearing edges having movable parts
- [A47K 2010/389](#) ..... Accessories or combination with other devices, e.g. music boxes, clocks, heating devices or shelves
- [A47K 2010/42](#) ... dispensing from a store of single sheets, e.g. stacked
- [A47K 2010/428](#) .... Details of the folds or interfolds of the sheets
- A47K 2017/00** **Other equipment**, {e.g. separate apparatus for deodorising, disinfecting or cleaning devices without flushing for toilet bowls, seats or covers; Holders for toilet brushes (portable urinating aids [A61F 5/4556](#));} (devices for receiving spittle [A61J 19/00](#); {disinfecting apparatus for medical, surgical or hygienic purposes [A61L](#); cleaning devices with flushing for toilet bowls, seats or covers [E03D 9/00](#); for emptying or cleaning chamber-pots, bed pans, bed urinals or the like [E03D 11/025](#)})

A47K 2017/006 . Defecation help for disabled persons

**A47K 2201/00** **Details of connections of bathroom accessories, e.g. fixing soap or towel holder to a wall**

A47K 2201/02 . Connections to a wall mounted support

A47K 2201/025 . . with resilient locking device

**A47K 2210/00** **Combinations of water taps, soap dispensers and hand dryers**