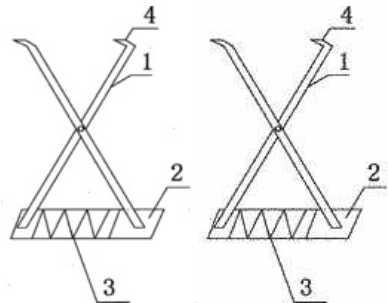
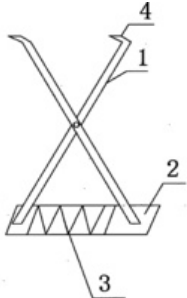


#		Title	Publication number	1st app. date	Applicant/Assignee	1st publ. date	Publ. date
1.		Double-handlebar portable mop	CN201806657	2010-10-08	Yang Bin	2011-04-27	2011-04-27

The utility model relates to a household cleaning appliance, in particular to a **double-handlebar portable mop**. The **double-handlebar portable mop** comprises two handlebars and **mop cloth**, and is characterized in that: the middle parts of the two handlebars are hinged; the tail parts of the two handlebars are connected with the two sides of the **mop cloth**; movable meshes hinged with each other are arranged in the middle cotton layer of the **mop cloth**; and the top end of each **handlebar** is connected with a **handle**. Therefore, the **double-handlebar portable mop** has a simple structure and is convenient to use.

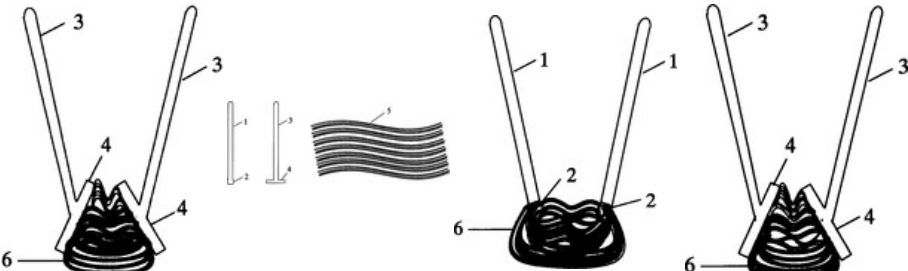
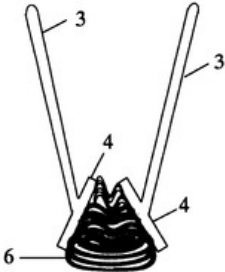


2.		Double grip mop	TW201544063	2014-05-21	LIN BAO-MING	2015-12-01	2015-12-01
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A **double grip mop**, **mop** system includes a new structure in the **double grip mop**, one with two **grip** control method of a **mop head**, **Double grip mop** can be used for single-sided **mop head**, **double-sided mop head**, three-sided **mop head**. **Double grip mop** have greater control with good functionality and ergonomic saving effect, there are **double grip mop** as a result of a good effort control functions and effects, and therefore may be more lenient **mop head**, **mop head** more generous mopping can improve efficiency. Apply more lenient dry **mop head mop**. The parts of **double grip mop** can assemble **double-sided mop** and three-sided **mop**. The larger friction when wet mopping apply to **mop**, for **mop head** better small you can use a wet **mop**, **double-sided mop** and three-sided **mop** better handling and cleaning ability.

圖式

The utility model discloses a **double-handle mop**, which is provided with two straight handles (1) or two T-shaped handles (3). Both ends of a plurality of strips (5) are respectively bundled on the heads of the straight handles (2) or the heads of the T-shaped handles (3) to form a **mop head** (6). The two straight handles (1) or the two T-shaped handles (3) are combined together, and then the **mop head** can be used as long as both hands hold the handles. When the moisture of the **mop head** (6) is wrung out, both hands need not to directly contact the **mop head** (6), however, only both hands or two people respectively hold the two handles to oppositely wring several times, and then the moisture of the **mop head** (6) can be naturally extruded.



4.

Floor mop and cleaning system

US5461749

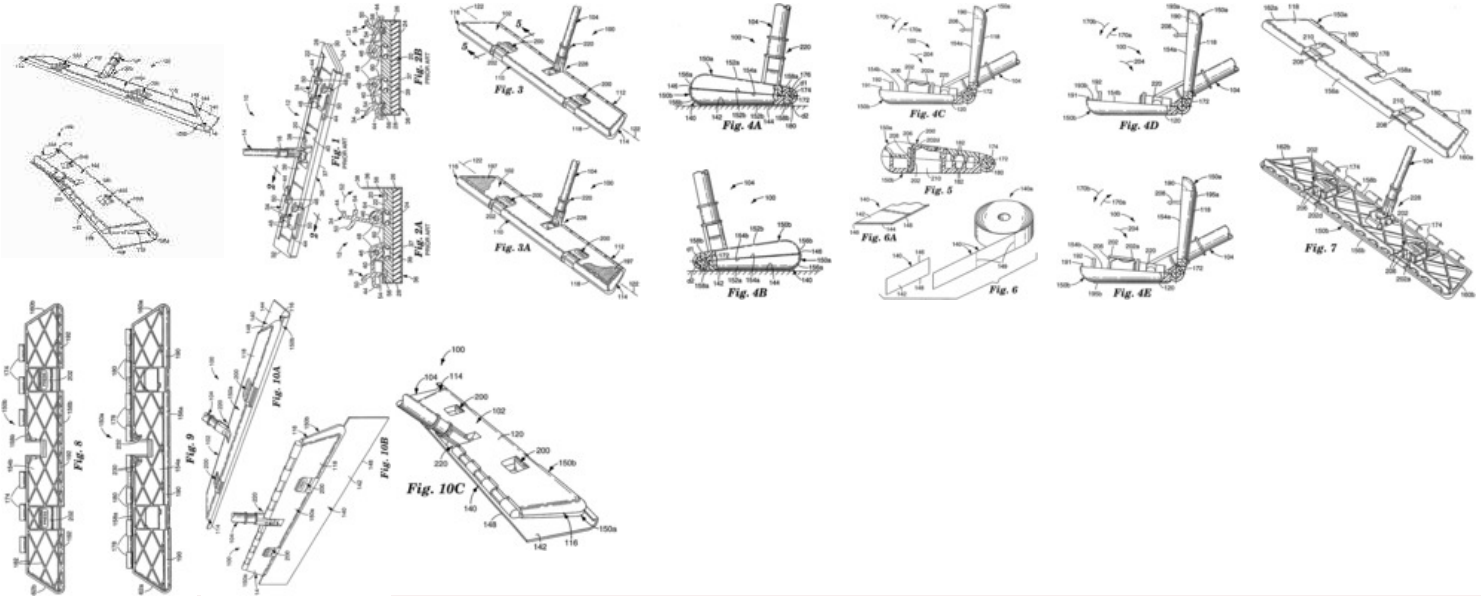
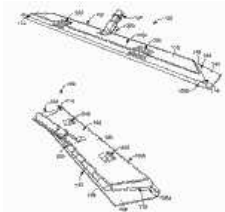
1994-05-31

3M*

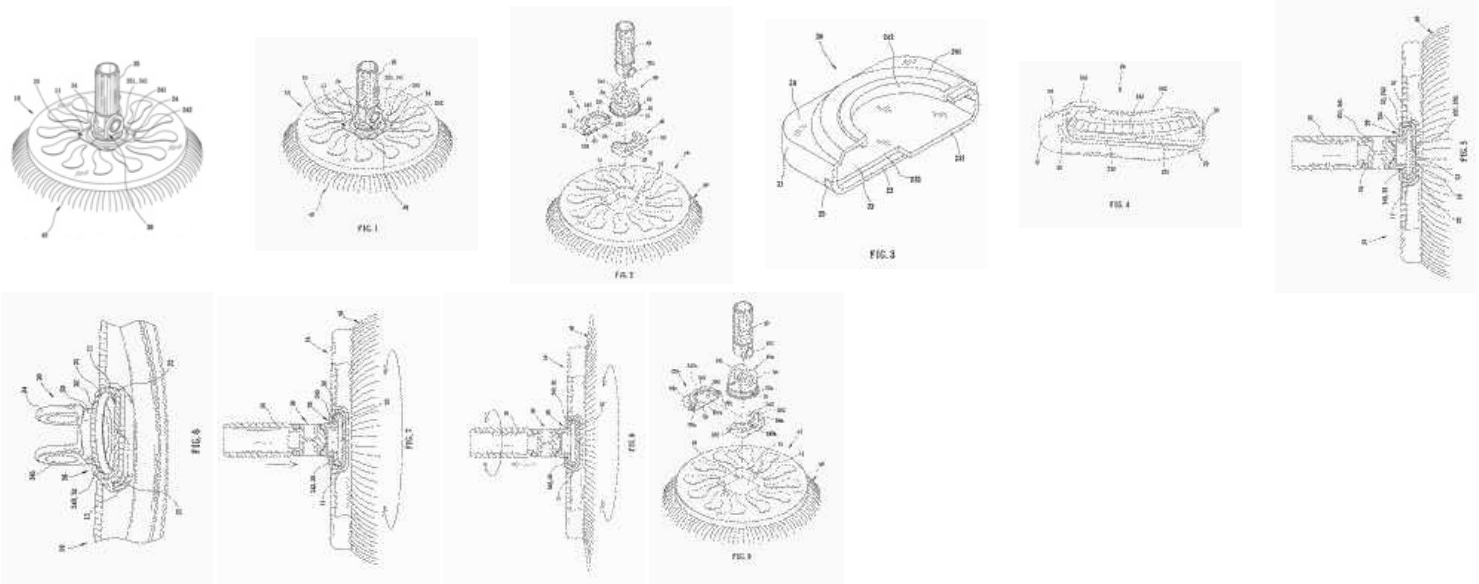
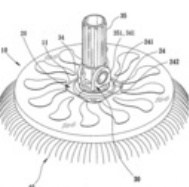
1995-10-31

1995-10-31

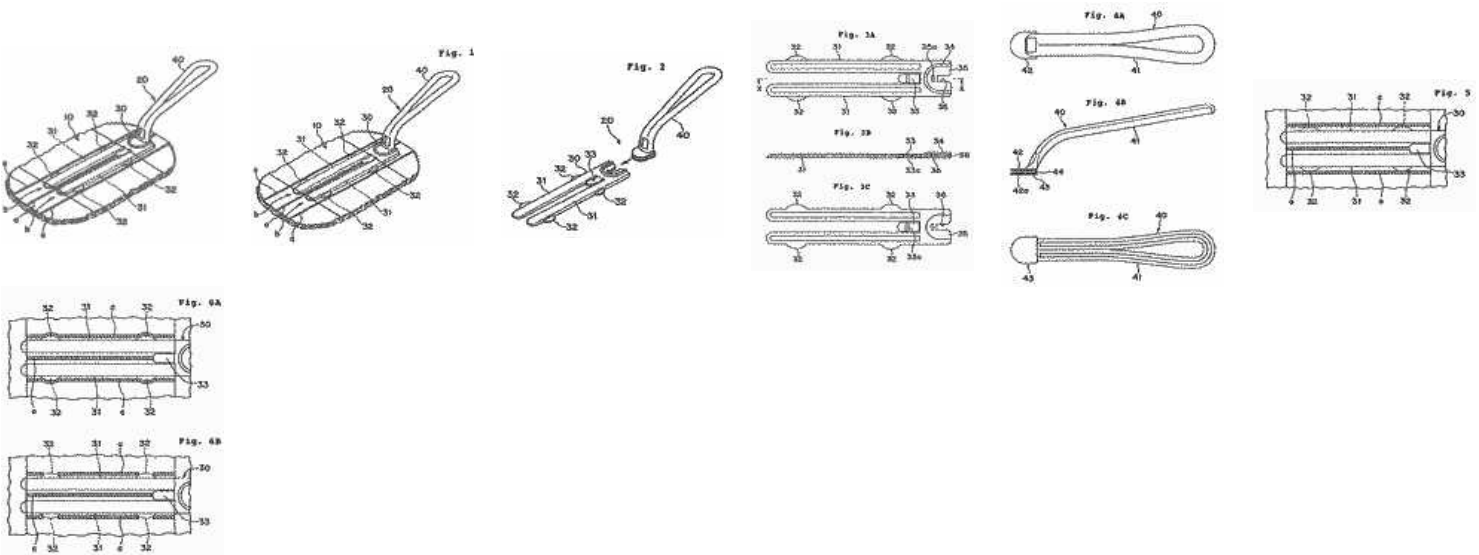
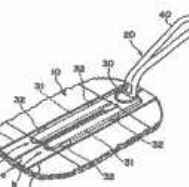
Disclosed is a floor **mop** for cleaning a floor. The floor **mop** includes a **mop head** and a **handle** pivotally connected to the **mop head**. A disposable cleaning sheet is attached by a minor portion adjacent one edge to a leading edge of the **mop head**, leaving a major portion of the cleaning sheet free. The **mop** may be passed over the floor with one side of the cleaning sheet presented for cleaning the floor. The **mop head** may then be inverted with the other side of the cleaning sheet presented for further cleaning of the floor.



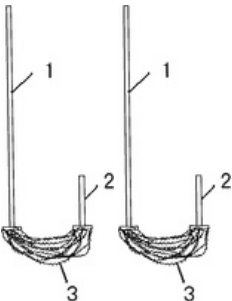
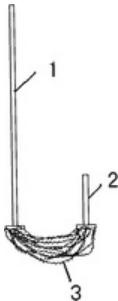
A **mop** includes a base (10), a cleaning unit (40) mounted on the base, a limit seat (20) mounted on the base and having an inner portion provided with a limit space (22) and a locking portion (243), a movable seat (30) movably mounted on the limit seat and having a locked portion (32) movable in the limit space and detachably engaging the locking portion (243), and a **handle** (35) mounted on the movable seat. Thus, when the locked portion of the movable seat is detached from the locking portion of the limit seat, the limit seat and the movable seat are rotatable relative to each other so that when the limit seat, the base and the cleaning unit are placed in and rotated by a dehydrator, the movable seat and the **handle** are not rotated by the dehydrator.



Disclosed is a handy **mop** including a **mop** body (10) for collecting dust and a **handle** (20) to which the **mop** body (10) is to be attached. The **mop** body (10) is provided with two gaps (b) extending in parallel for attachment of the **handle** (20) thereto. The **handle** (20) is provided with an attachment portion (30) and a gripper (40) extending rearwardly upwardly from a root end of the attachment portion (30). The attachment portion (30) is bifurcated at the root end to provide two insert plates (31), which are flat and level, and are to be inserted into the gaps (b) of the **mop** body (10) for use.



The utility model provides a **double handle mop**. A **handle** of an auxiliary **mop** is connected with a **handle** of a main **mop** in a matched manner to form a whole; and a mophead of the main **mop** is connected with the mophead of the auxiliary **mop** through a plurality of cloth pieces. The utility model has the technical effect that the structure is simple, the **mop** is convenient to wring water, and the amount of the cloth pieces on the mopheads is increased.



8.

Double tube herringbone handle strip mop

CN201192318

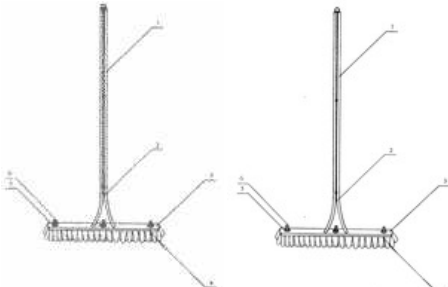
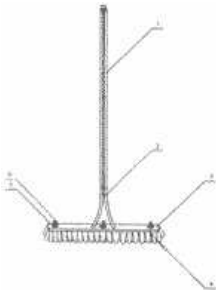
2008-04-24

WANG SHOUNIAN

2009-02-11

2009-02-11

The utility model provides a **double-tube cloth strip mop** with a lambdoidal hand lever, which is characterized in that the hand lever of the **mop** is composed of two stainless steel tubes, the upper middle parts of which are held together and welded into a whole, and the lower parts thereof diverge in a lambdoidal manner; the tip of the lambdoidal steel tubes is fixedly connected with an upper plywood of a **mop** cloth strip; the upper plywood of the **mop** cloth strip is in the shape of a flat-bottomed groove, and the two tips thereof take the shape of a circular arc; a lower plywood of the **mop** cloth strip is in the shape of a long strip which is narrower than the groove surface of the upper plywood; the upper plywood and the lower plywood of the **mop** cloth strip are connected with each other through screw holes, threaded bolts and screw caps. The **double-tube cloth strip mop** has the advantages as follows: the sweeping area is large due to the longer arrangement of the upper plywood and the lower plywood of the **mop** cloth strip because the lower part of the **mop** hand lever diverges to form a herringbone; being made of stainless steel, the **double-tube cloth strip mop** is beautiful and durable; because more than two attachment bolts are arranged on the upper plywood and the lower plywood of the **mop** cloth strip, the upper plywood and the lower plywood of the **mop** cloth strip can be tightly clipped and the **mop** cloth strip cannot get loose; the upper plywood of the **mop** cloth strip is in the shape of a flat-bottomed groove, the lower plywood is filled in the groove surface of the upper plywood after the upper plywood and the lower plywood are connected, and the lower plywood cannot contact with floors.



9.

Mop

DE19833553

1998-07-24

FREUDENBERG*

1999-12-30

1999-12-30

Mop for fastening to end of broomstick
 The strips (3) are made of a textile and fixed across the axis of the broomstick (1). They act in conjunction with a secondary, elastic spring body (4), which supports the strips and effects a spreading of the strips (3) at least in the holder section.

Fig.1

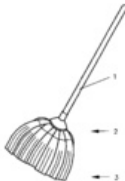


Fig.1

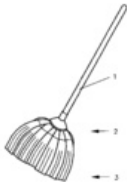


Fig.1

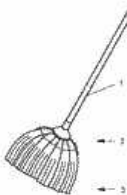


Fig.2

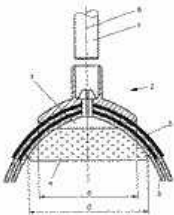
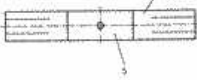
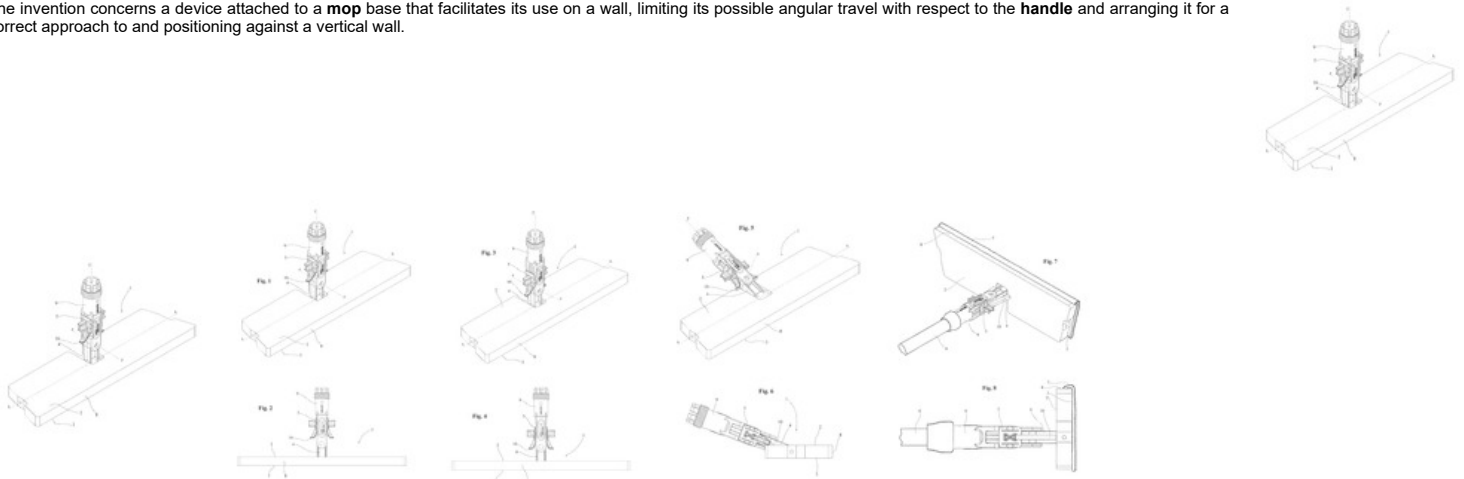
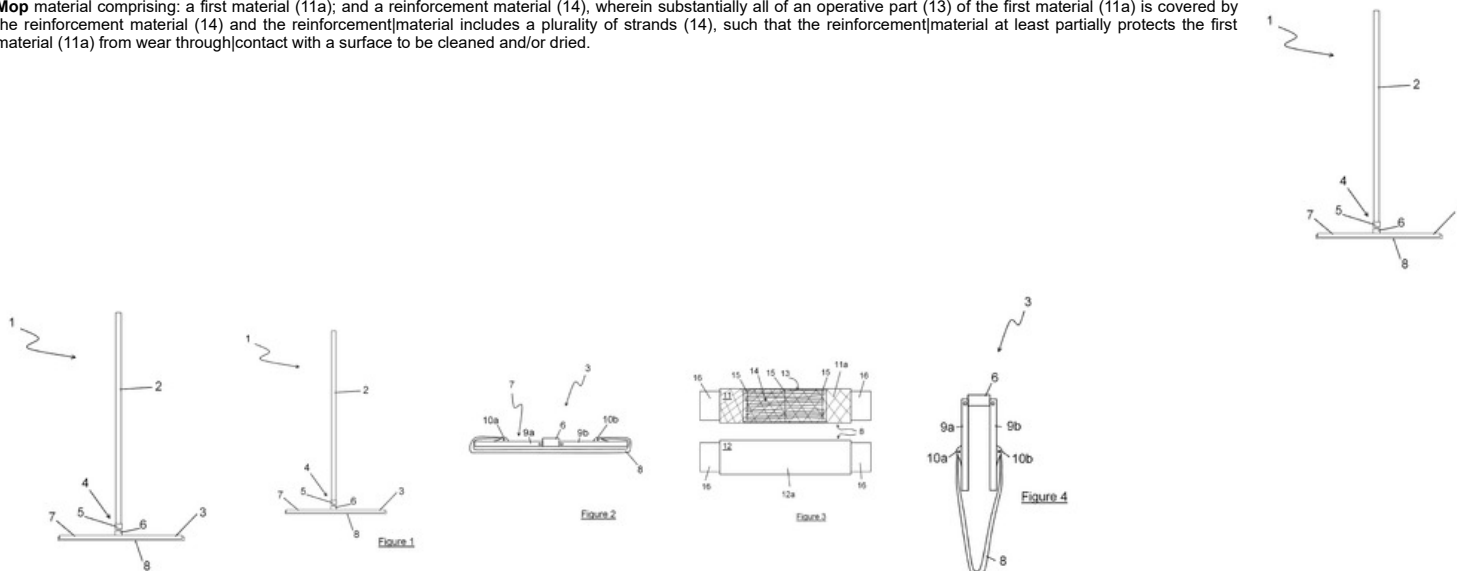


Fig.3

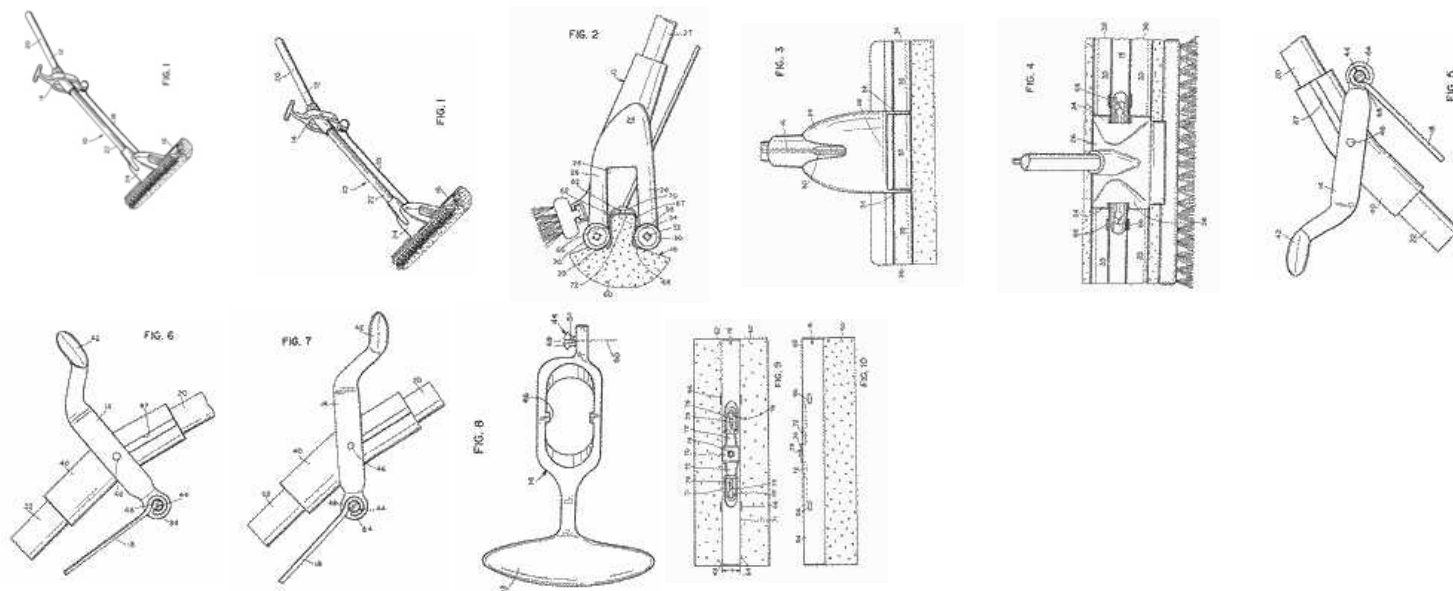




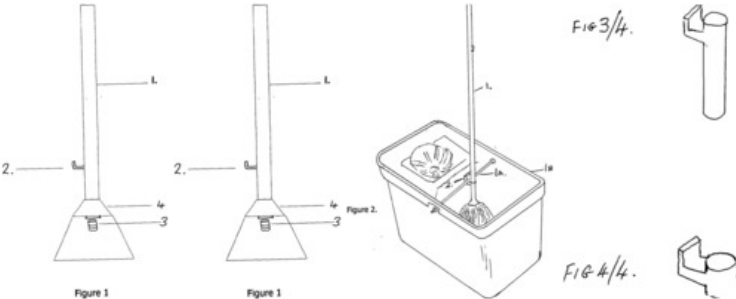
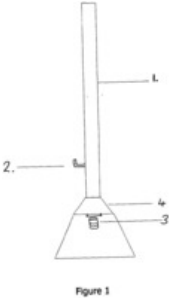
Mop material comprising: a first material (11a); and a reinforcement material (14), wherein substantially all of an operative part (13) of the first material (11a) is covered by the reinforcement material (14) and the reinforcement material includes a plurality of strands (14), such that the reinforcement material at least partially protects the first material (11a) from wear through contact with a surface to be cleaned and/or dried.



A mop (10) has an angled handle (12) and a working end (24) with a pair of opposed rollers (30). An actuator (14) on the mop (10) can be moved between a replacement position, a wringing position, and an intermediate use position. When in the replacement position, a mop head (16) can be removably attached to the working end (24) of the handle (12) by sliding the mop head (16) sideways so an arm (82) on a connector (18) passes between a shoulder (72) and a bridge (70) on the mop head (16). The connector (18) has a loop (84) at its upper end, and is connected to a slotted mounting stem (48) on an actuator (14). The mop head (16) is also provided with a threaded aperture (74) and slots (76), allowing it to be used in other mops. <IMAGE>



AA mop handle 9 is arranged to lift a mop bucket 18 and stabilise itself in a mop bucket 18. A mop handle 9 includes lifting means bracket 10 for attaching itself to a mop bucket 18 and for stabilising itself. The mop handle 9 and bracket 10 can be used for carrying, lifting, moving, and emptying of a mop bucket 18 when used in conjunction with a mop bucket attachment 13 affixed to a mop bucket 18. The bracket 10 can be fixed to a conventional mop handle 1 by means of sliding onto the mop handle and then being screwed, bolted, clamped, or welded to the mop handle 1. The bracket 10 can include a hook or projection 24 which in use, cooperates with the mop bucket attachment in the form of a rod or bar 13 fixed to the bucket 18. The bucket 18 can include a wringer 25



15.

Flat-plate double-side rotary mop

CN202604735

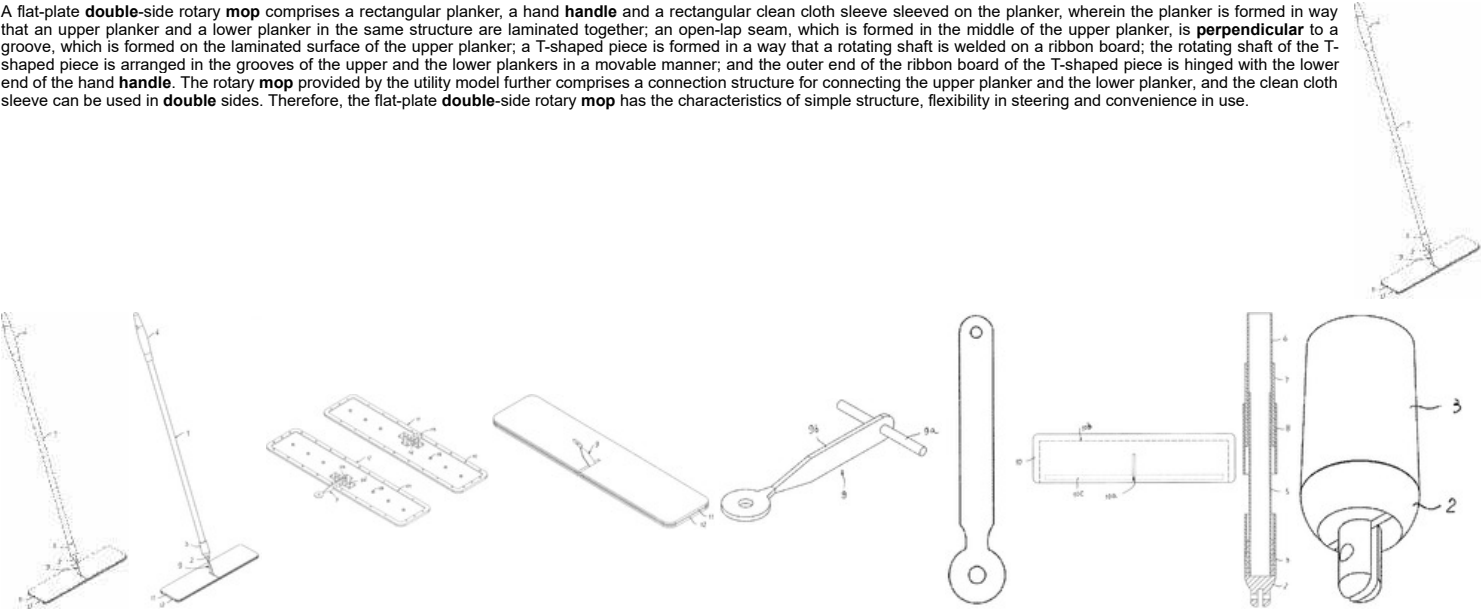
2012-04-25

LUO YONGJUN

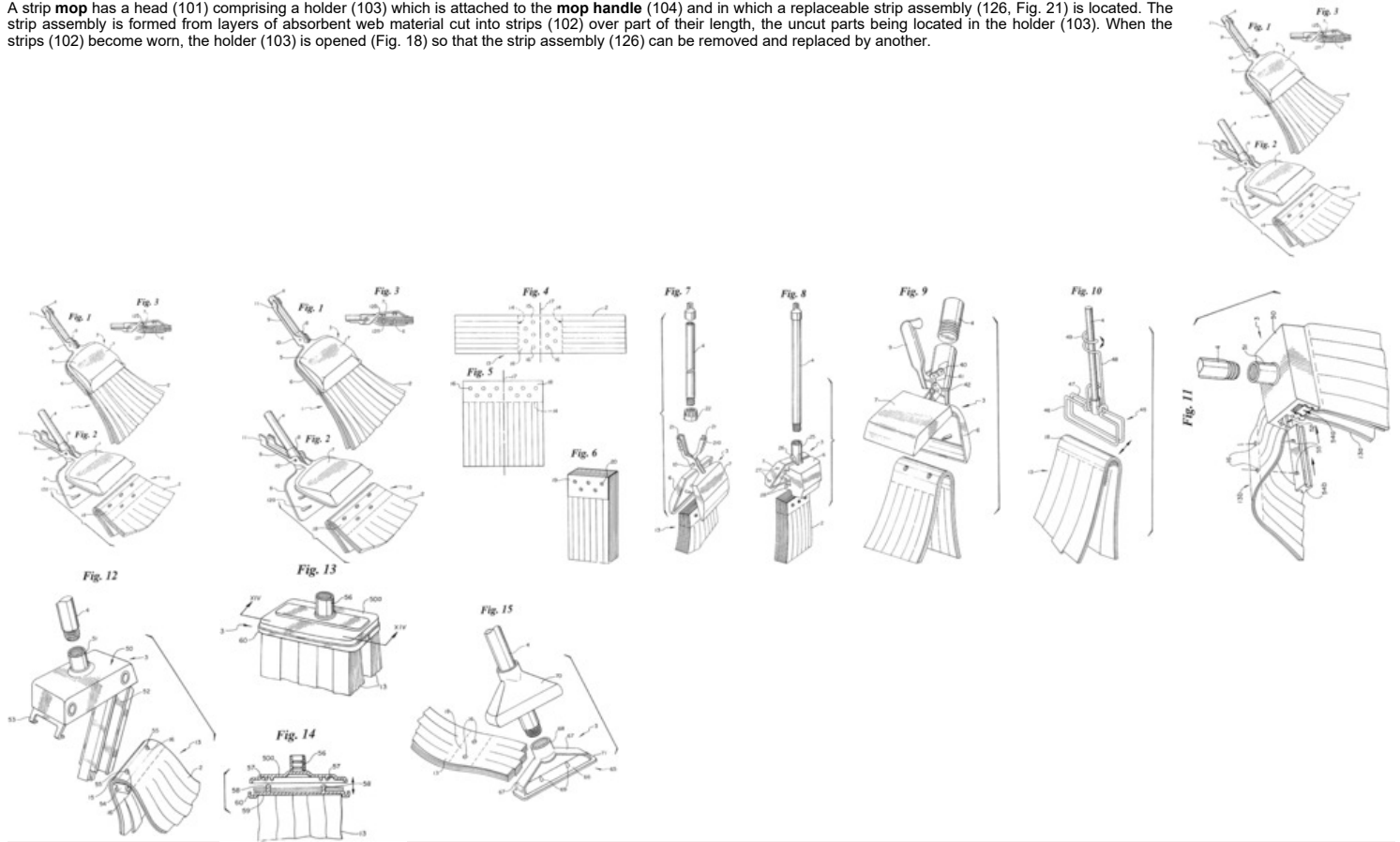
2012-12-19

2012-12-19

A flat-plate **double-side rotary mop** comprises a rectangular planker, a hand **handle** and a rectangular clean cloth sleeve sleeved on the planker, wherein the planker is formed in way that an upper planker and a lower planker in the same structure are laminated together; an open-lap seam, which is formed in the middle of the upper planker, is **perpendicular** to a groove, which is formed on the laminated surface of the upper planker; a T-shaped piece is formed in a way that a rotating shaft is welded on a ribbon board; the rotating shaft of the T-shaped piece is arranged in the grooves of the upper and the lower plankers in a movable manner; and the outer end of the ribbon board of the T-shaped piece is hinged with the lower end of the hand **handle**. The rotary mop provided by the utility model further comprises a connection structure for connecting the upper planker and the lower planker, and the clean cloth sleeve can be used in **double sides**. Therefore, the flat-plate **double-side rotary mop** has the characteristics of simple structure, flexibility in steering and convenience in use.



A strip mop has a head (101) comprising a holder (103) which is attached to the mop handle (104) and in which a replaceable strip assembly (126, Fig. 21) is located. The strip assembly is formed from layers of absorbent web material cut into strips (102) over part of their length, the uncut parts being located in the holder (103). When the strips (102) become worn, the holder (103) is opened (Fig. 18) so that the strip assembly (126) can be removed and replaced by another.



17. Dual-surface mop and mop barrel of dual-surface mop

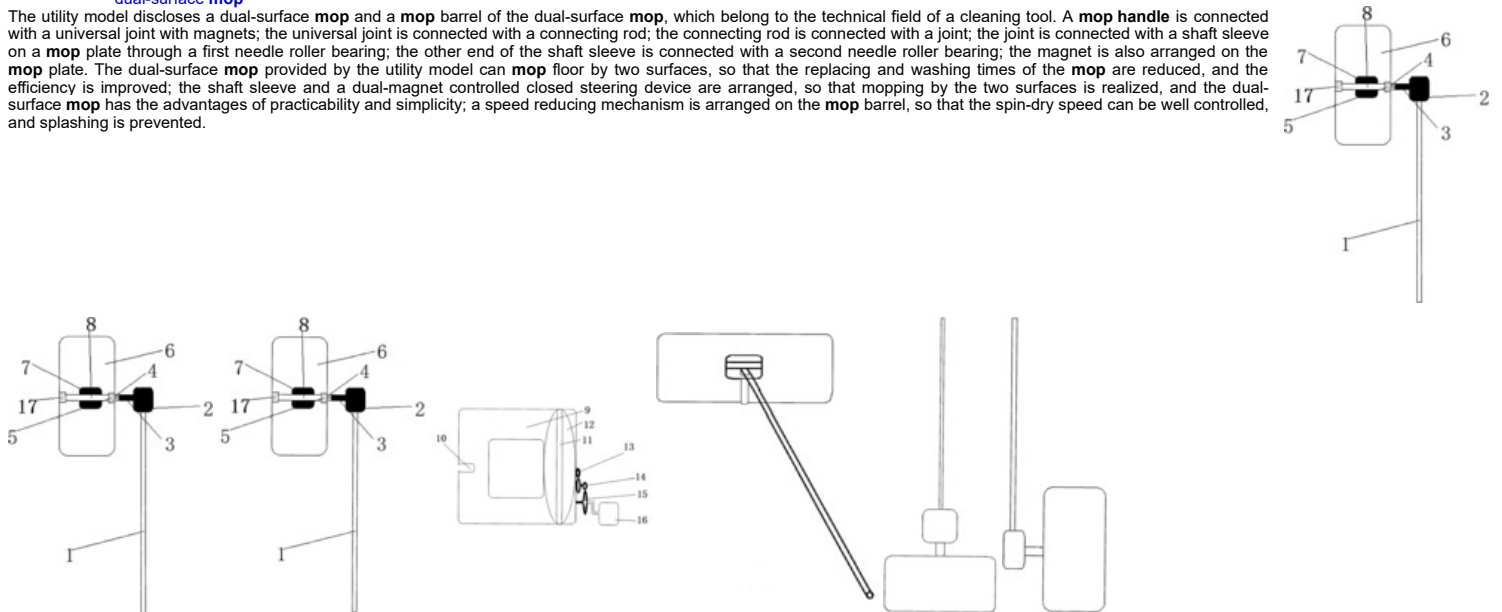
CN204379187

2015-01-15

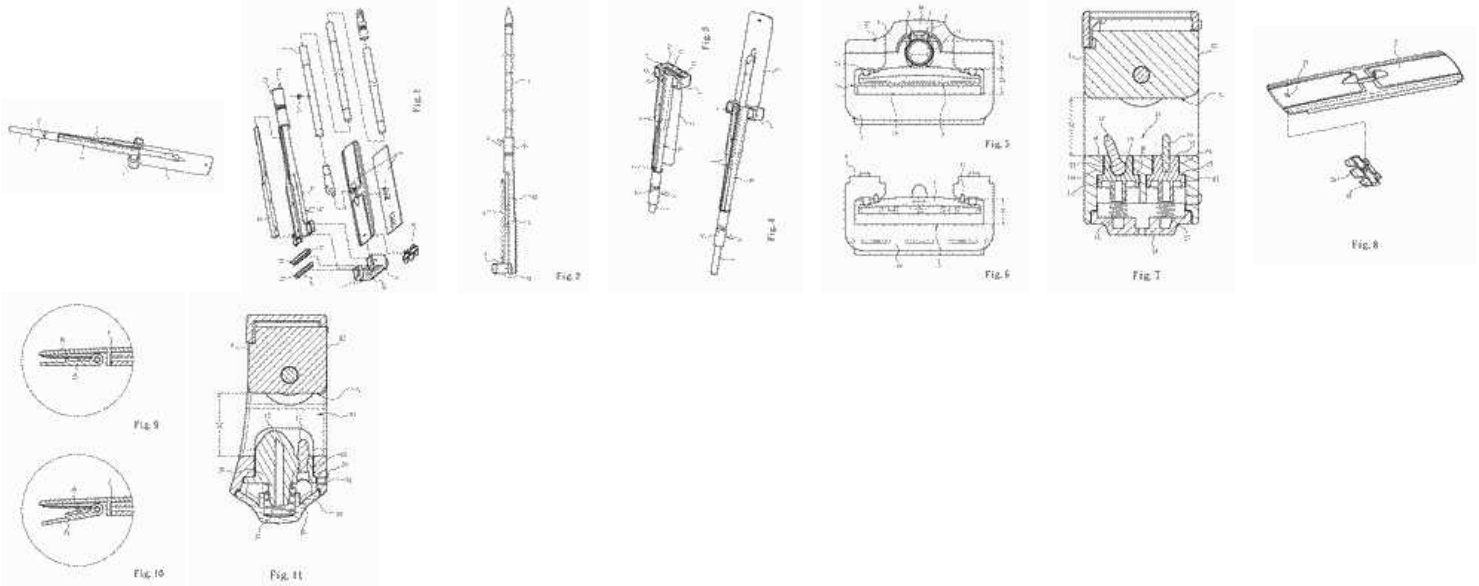
LU WENHUI

2015-06-10 2015-06-10

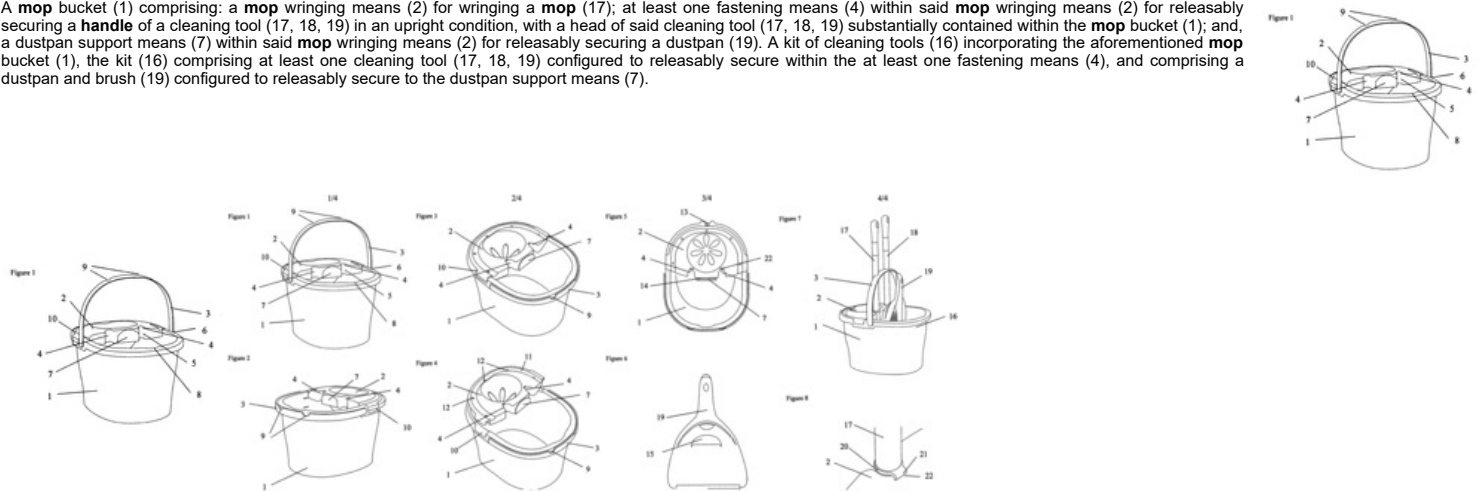
The utility model discloses a dual-surface mop and a mop barrel of the dual-surface mop, which belong to the technical field of a cleaning tool. A mop handle is connected with a universal joint with magnets; the universal joint is connected with a connecting rod; the connecting rod is connected with a joint; the joint is connected with a shaft sleeve on a mop plate through a first needle roller bearing; the other end of the shaft sleeve is connected with a second needle roller bearing; the magnet is also arranged on the mop plate. The dual-surface mop provided by the utility model can mop floor by two surfaces, so that the replacing and washing times of the mop are reduced, and the efficiency is improved; the shaft sleeve and a dual-magnet controlled closed steering device are arranged, so that mopping by the two surfaces is realized, and the dual-surface mop has the advantages of practicability and simplicity; a speed reducing mechanism is arranged on the mop barrel, so that the spin-dry speed can be well controlled, and splashing is prevented.

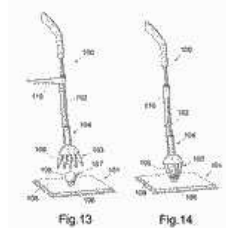
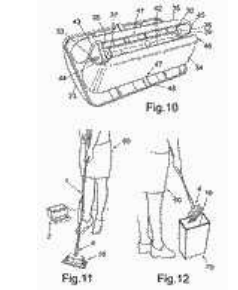
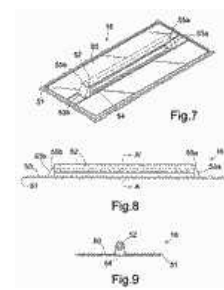
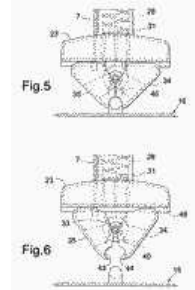
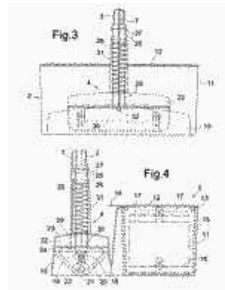
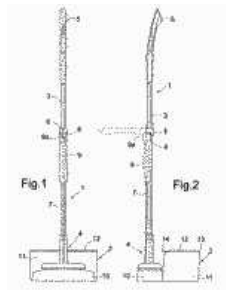


A self-wringing flat plate mop comprises a mop rod (1) and a flat plate mop head (2). Mop cloth can be arranged on the back side of the flat plate mop head (2). A smoothing sleeve (3) capable of sliding up and down is fit on the mop rod (1). A smoothing head (4) is arranged at the lower end of the smoothing sleeve (3), and is provided with a penetration opening (5). A wringing mechanism is arranged on the bottom side of the penetration opening (5). The flat plate mop head (2) can be inserted into the penetration opening (5) after rotating to be parallel to the mop rod (1). When the smoothing head (4) is at a high position, the flat plate mop head (2) is separated from the penetration opening (5), and when the smoothing head (4) is at a low position, the lower end of the flat plate mop head (2) is inserted into the penetration opening (5). When the smoothing sleeve (3) is pulled upwards, the mop cloth on the back side of the flat plate mop head (2) is wrung through the wringing mechanism. The smoothing head (4) extends transversely, so that the smoothing head (4) also serves as a base when being at the low position, the lower end of the flat plate mop head (2) parallel to the mop rod (1) is inserted into the penetration opening (5), and the mop can be vertically placed. According to the self-wringing flat plate mop, the whole mop (comprising the flat plate mop head) can be vertically placed after being wrung, so that the mop cloth on the flat plate mop head is conveniently air-dried, and is prevented from being in contact with the ground and getting dirty again.

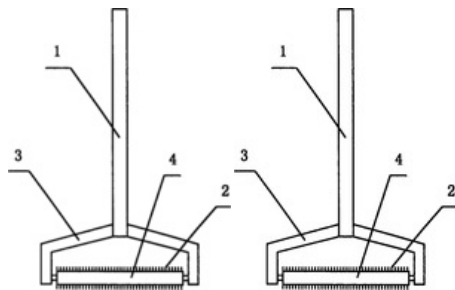


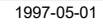
A mop bucket (1) comprising: a mop wringing means (2) for wringing a mop (17); at least one fastening means (4) within said mop wringing means (2) for releasably securing a handle of a cleaning tool (17, 18, 19) in an upright condition, with a head of said cleaning tool (17, 18, 19) substantially contained within the mop bucket (1); and, a dustpan support means (7) within said mop wringing means (2) for releasably securing a dustpan (19). A kit of cleaning tools (16) incorporating the aforementioned mop bucket (1), the kit (16) comprising at least one cleaning tool (17, 18, 19) configured to releasably secure within the at least one fastening means (4), and comprising a dustpan and brush (19) configured to releasably secure to the dustpan support means (7).



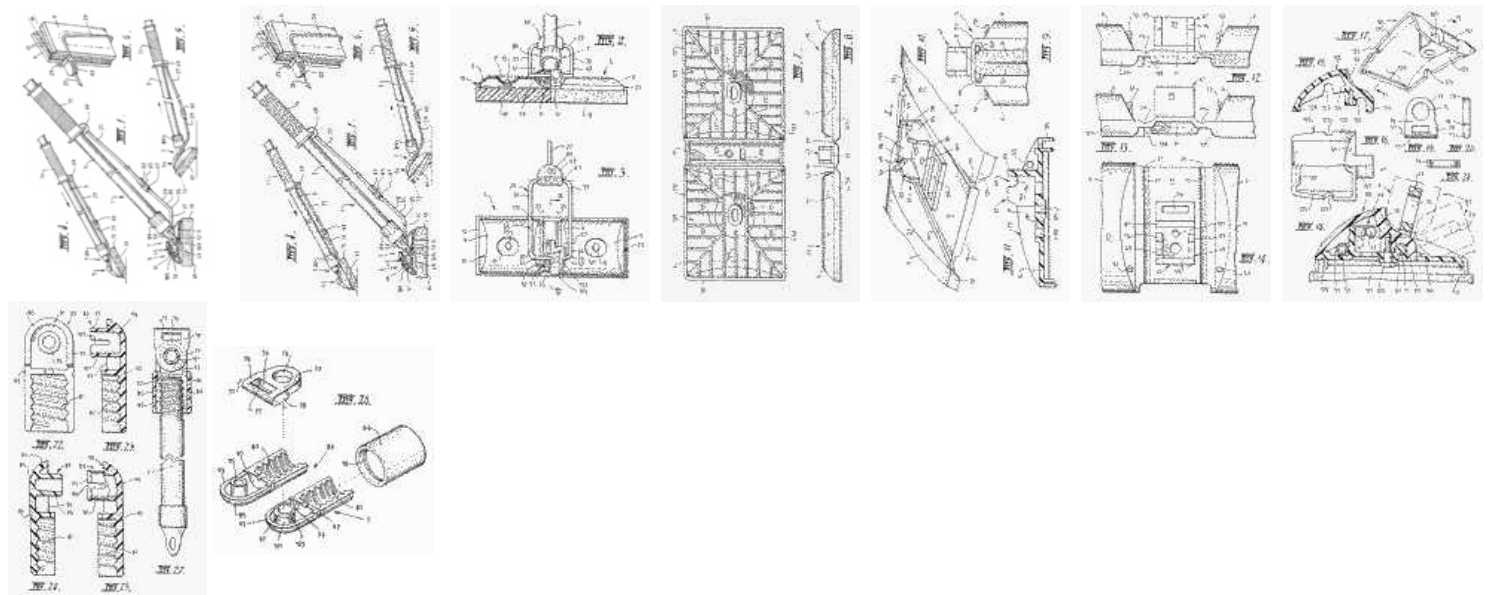


2011-03-16

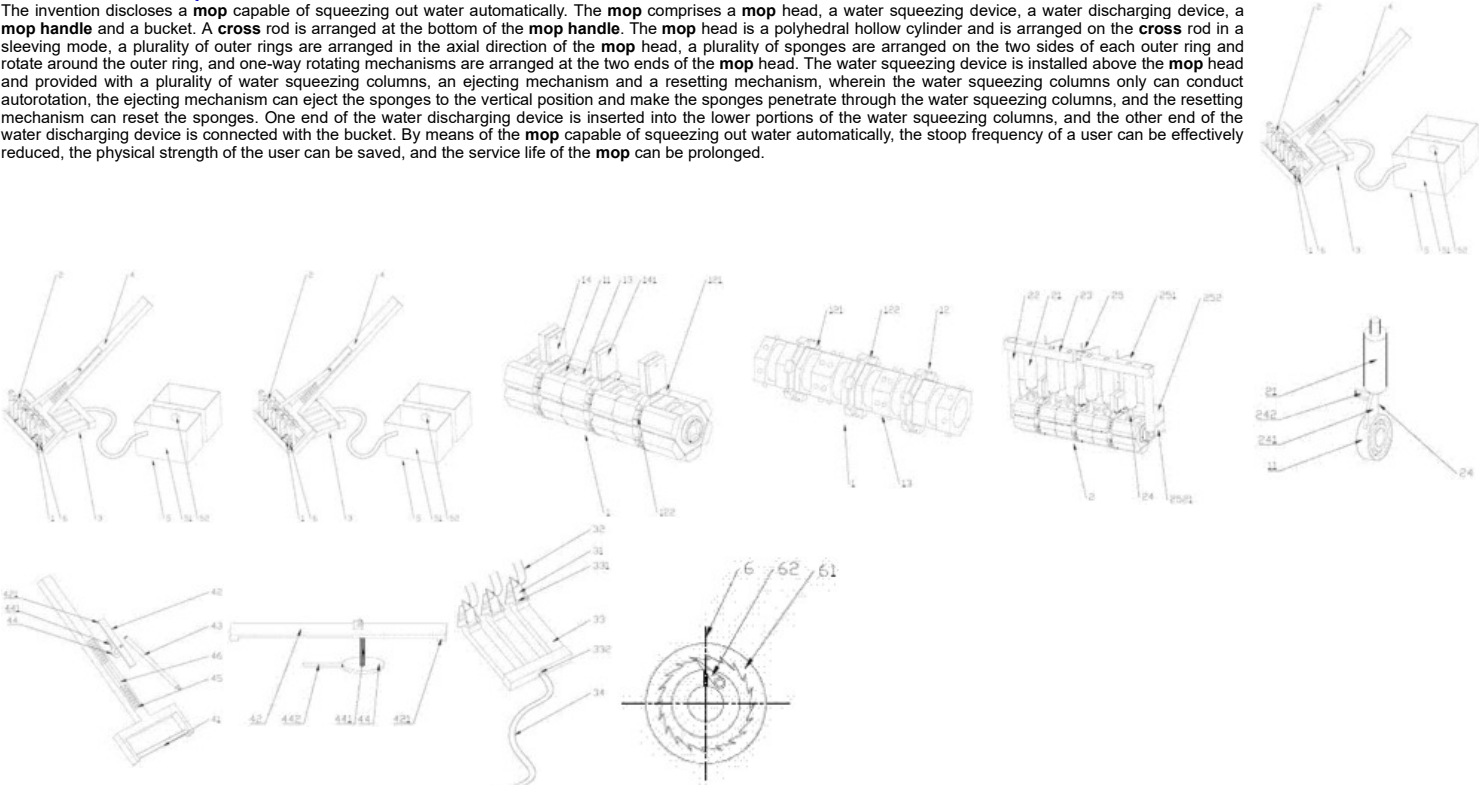




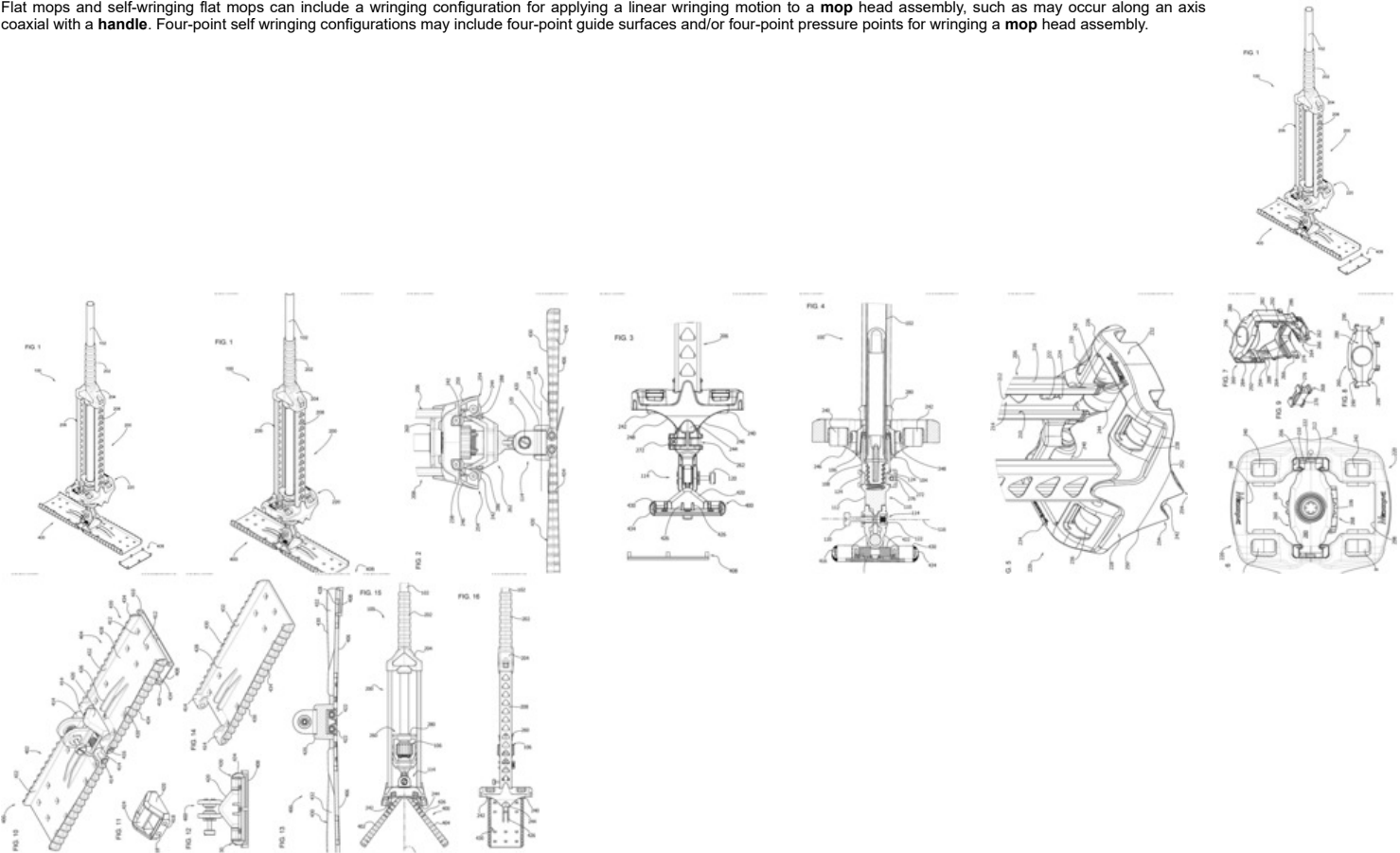
The figure consists of three sub-diagrams labeled (a), (b), and (c), showing a mechanical device with various components labeled with numbers. Diagram (a) shows the device in its initial position, with a handle (1) and a main body (2). Diagram (b) shows the device during movement, with the handle (1) and main body (2) in a different orientation. Diagram (c) shows the device after movement, with the handle (1) and main body (2) in a third orientation. The diagrams illustrate the mechanical components and their relative positions in different states of the device.



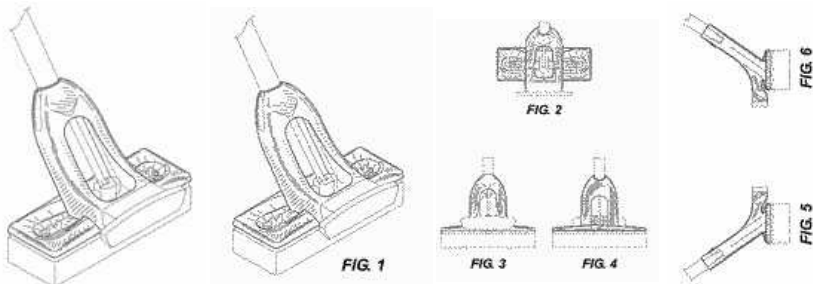
The invention discloses a mop capable of squeezing out water automatically. The mop comprises a mop head, a water squeezing device, a water discharging device, a mop handle and a bucket. A cross rod is arranged at the bottom of the mop handle. The mop head is a polyhedral hollow cylinder and is arranged on the cross rod in a sleeving mode, a plurality of outer rings are arranged in the axial direction of the mop head, a plurality of sponges are arranged on the two sides of each outer ring and rotate around the outer ring, and one-way rotating mechanisms are arranged at the two ends of the mop head. The water squeezing device is installed above the mop head and provided with a plurality of water squeezing columns, an ejecting mechanism and a resetting mechanism, wherein the water squeezing columns only can conduct autorotation, the ejecting mechanism can eject the sponges to the vertical position and make the sponges penetrate through the water squeezing columns, and the resetting mechanism can reset the sponges. One end of the water discharging device is inserted into the lower portions of the water squeezing columns, and the other end of the water discharging device is connected with the bucket. By means of the mop capable of squeezing out water automatically, the stoop frequency of a user can be effectively reduced, the physical strength of the user can be saved, and the service life of the mop can be prolonged.



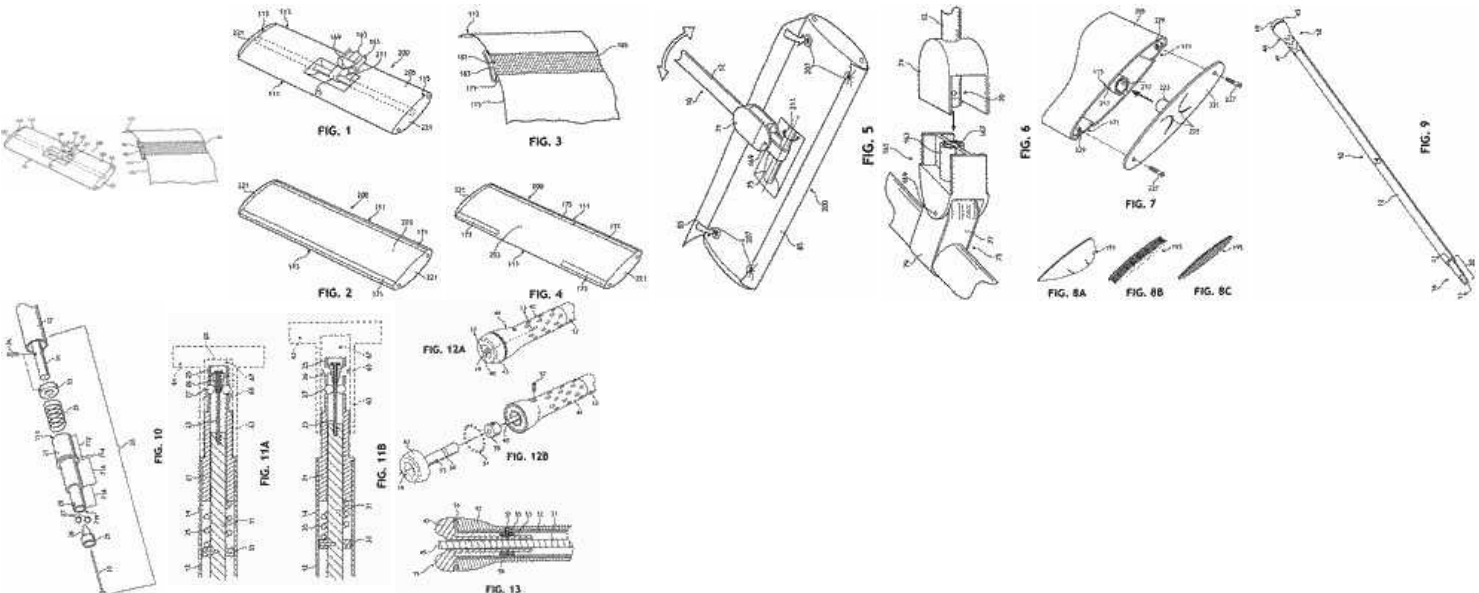
Flat mops and self-wringing flat mops can include a wringing configuration for applying a linear wringing motion to a mop head assembly, such as may occur along an axis coaxial with a handle. Four-point self wringing configurations may include four-point guide surfaces and/or four-point pressure points for wringing a mop head assembly.



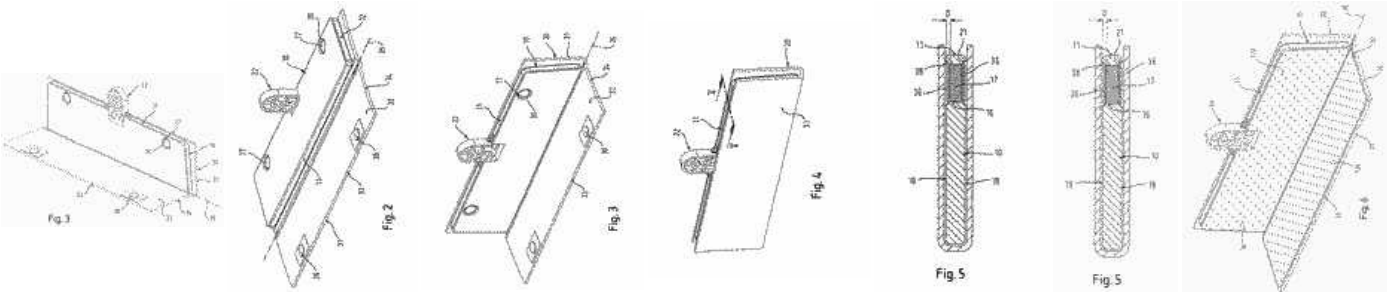
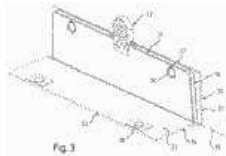
A squeeze mop, comprising a carrier body (1) that is formed by a double joint (2) and two wing plates (3, 4) that are arranged in the longitudinal direction (5) of the carrier body (1) on both sides of the double joint (2) and are connected to the double joint. The invention further comprises a handle (6), wherein the carrier body (1) on the side facing axially away from the handle (6) comprises a cleaning pad (7) that substantially corresponds to the size of the carrier body (1), and wherein the wing plates (3, 4) can be pressed against each other by means of a squeeze device (8), wherein the squeeze device (8) is designed in a fork shape and is open on the side facing axially away from the handle (6). The squeeze device (8) comprises two pressure arms (9, 10) that are arranged substantially parallel to each other and can be engaged with the wing plates (3, 4) for folding the wing plates (3, 4) around the double joint (2). The squeeze device (8) is connected to the handle (6). The handle (6) is connected to the double joint (2) at least pivotally about the longitudinal axis (5) of the carrier body (1), wherein the squeeze device (8) comprises an actuating rod (11) that is moveable in the axial direction of the handle (6) and that is connected both to the double joint (2) and to a pivotable hand grip (12) that is fixed in a stationary manner on the handle (6) for actuating the squeeze device (8).



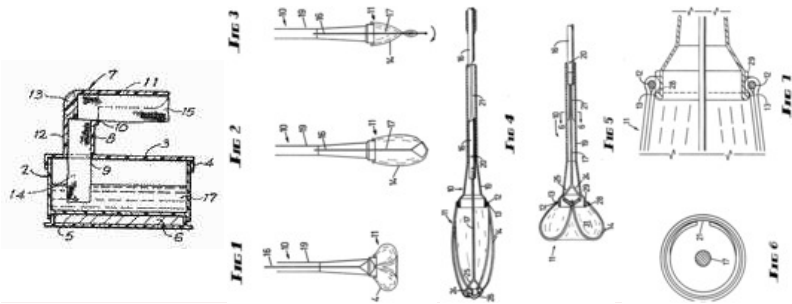
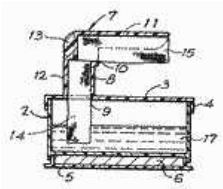
A mop head assembly (200) for use with a handle (10) and a cleaning substrate (83) is disclosed. The mop head assembly includes a lower substrate support surface (203), at least one fastener channel (171) associated with the lower substrate support surface, and a fastener strip (181) that can be inserted into the fastener channel. Such a fastener strip is configured to couple the lower substrate support surface to a cleaning substrate. The mop head assembly may include a cross-member (211) configured such that forces applied from the handle through a central portion of mop head are distributed toward the end edges of the lower substrate support surface.



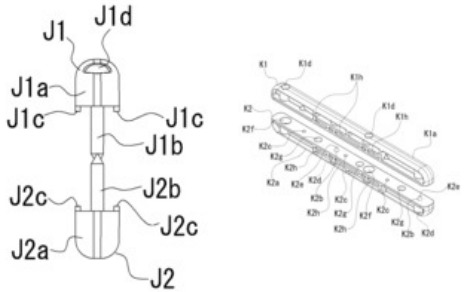
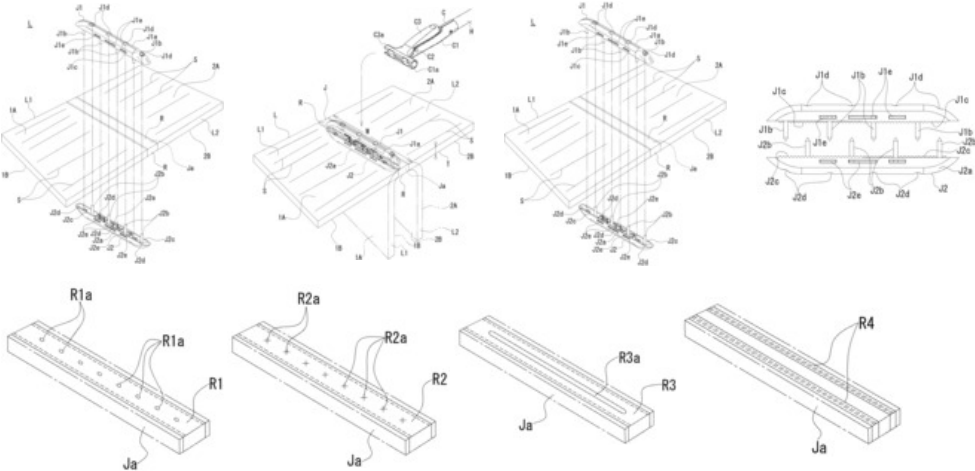
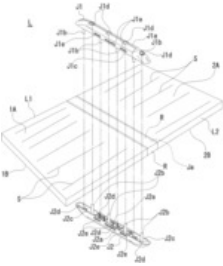
The holder has longitudinal and laminar supports (10) for a mop cover, and forming wisp contact surfaces on opposite laminar sides of the supports. The supports comprise a magnetic fixing device i.e. magnet (17) for fixing the mop cover on the holder, and the magnet produces magnetic force on the wisp contact surfaces in a region of the holder. The magnet comprises a counter piece made of ferrite metal for the magnet in the mop cover, and is corrosion-resistant and provided with a plastic casing.



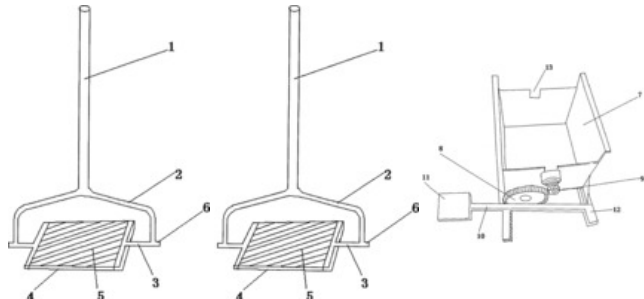
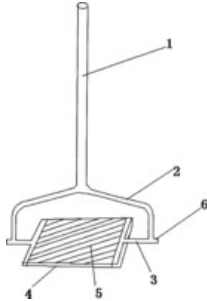
A **mop** is provided with a fibrous yarn head, there being a ring engaging the yarn strands and forming them into loops, the ring being carried on a sleeve which is slidable and rotational over the **mop handle**, the **handle** having means projecting from one end and engaging the loop strands intermediate their ends, such that when the sleeve is in one position the strands have their intermediate portions withdrawn towards the sleeve and in **cross**-section define a general cardioid shape, while in another position the strands are stretched out to define a general cylindrical shape, and in the second position the strands can be wrung by a relative twisting action between the sleeve and the **handle**.



PROBLEM TO BE SOLVED: To provide a **mop** head that is coupled to a **mop** head coupler installed in the **handle** of a **mop** and that is efficiently used for cleaning as effectively as possible, and also to provide a **mop**.
SOLUTION: The **mop** head L is formed from a first wiper group L1, a second wiper group L2, and a connecting part J for connecting the base ends of the wiper groups to each other over the lateral width W of the base ends. The **handle** H of the **mop** can be connected to either a first part J1a to be coupled on one side of the connecting part J or a second part J2a to be coupled on the other side of the connecting part J, and used as a **mop**. As a result, both sides of the first wiper group L1 and of the second wiper group L2 can be effectively used for cleaning.
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The utility model discloses a multi-side mop and a matched mop pail and belongs to the technical field of cleaning tools. A mop rod of the mop is fixedly connected with a Y-shaped mop handle, a cross beam is arranged on the mop handle, a mop plate is arranged on the cross beam, mop sides sleeve the mop plate, and a clamping portion is arranged on the outside of the connection position of the mop handle and the cross beam. A driving gear and a driven gear are arranged at the center of one side of a pail body of the mop pail, a connection rod is arranged on the outside of the driving gear, one end of the connection rod is connected onto a pedal, the other end of the connection rod is connected onto a support, a connection shaft of the driven gear penetrates the pail body, and a clamping groove used for containing the clamping portion is formed. The mop can improve mopping efficiency and saves water and labor. A mop head can be washed clean easily after mopping, and moisture in the mop head can be removed conveniently to facilitate next use.



32.

Rotary type mop with dual grip handles

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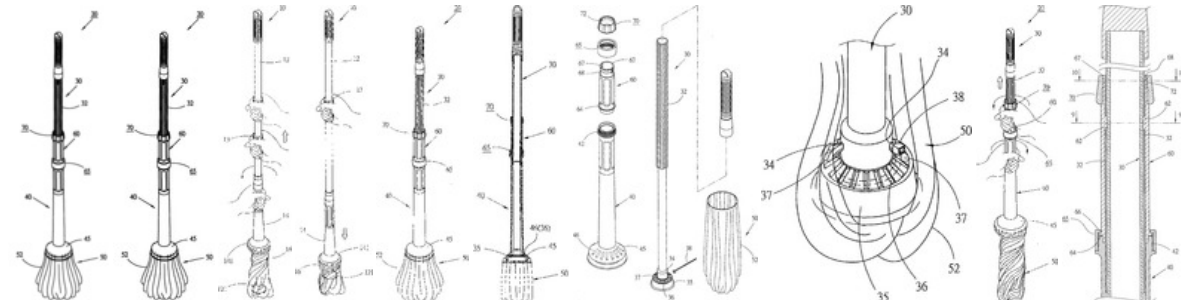
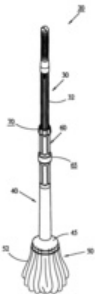
2008-12-04

CHEN HUATIAN

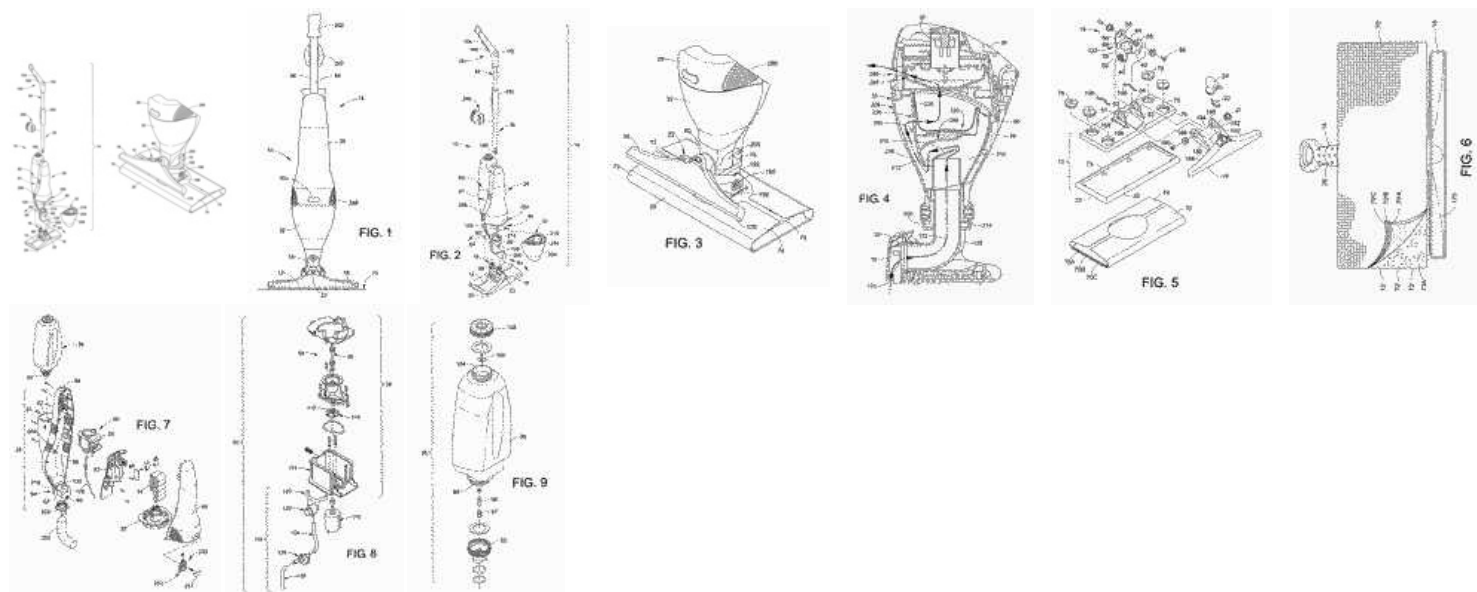
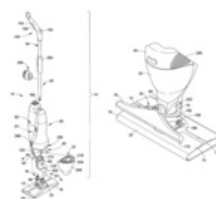
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2010-06-23

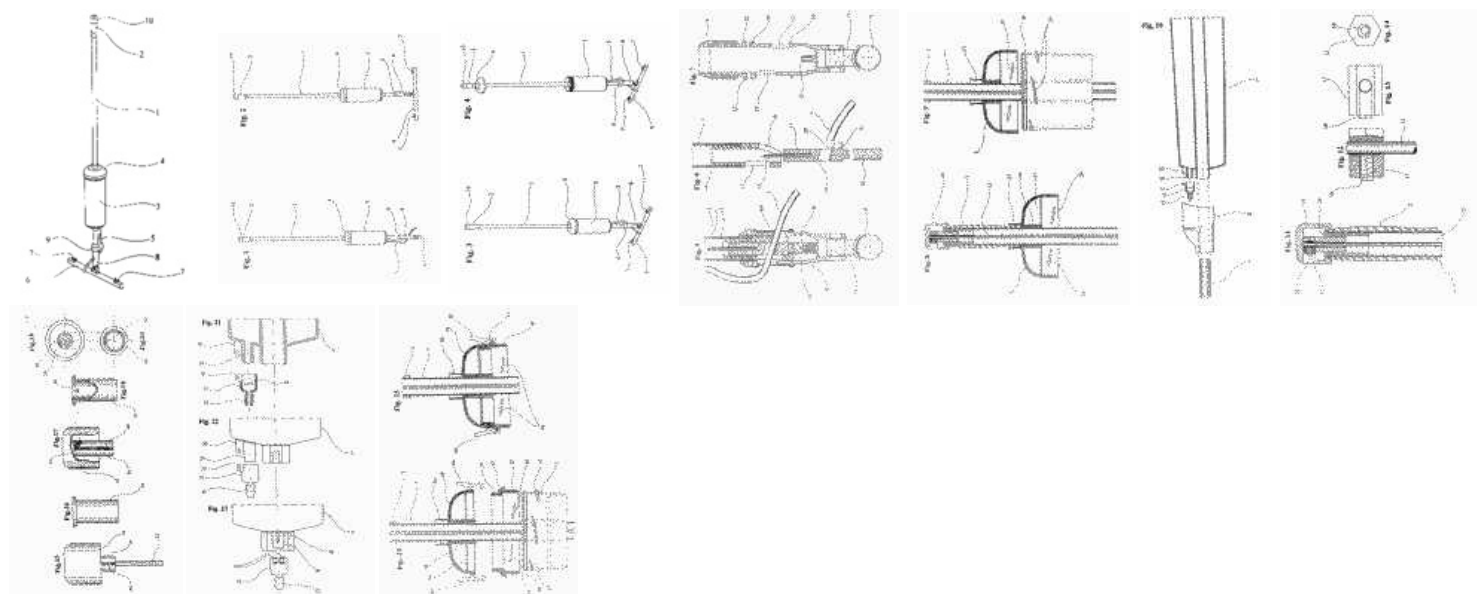
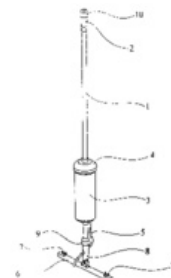
The invention relates to a rotary type mop with dual grip handles, which is provided with a main rod, a sliding sleeve grip handle, a mop cloth and a rotating grip handle. The sliding sleeve grip handle which is sheathed on the main rod can move and rotate up and down along the main rod, the two ends of the mop cloth are respectively connected at the bottom ends of the sliding sleeve grip handle and the main rod, and the rotating grip handle which is nested on the main rod can slide on the main rod. The main rod can be driven to rotate along with the rotating of the rotating grip handle. Meanwhile, as the bottom end of the rotating grip handle is pivoted with the top end of the sliding sleeve grip handle, the two grip handles can oppositely rotate and can slide together along the main rod. When in water squeezing, the two grip handles are respectively held and rotated by two hands, and then the mop cloth can be twisted; as the holding distance between the two hands is fixed, an operator can easily apply a force.



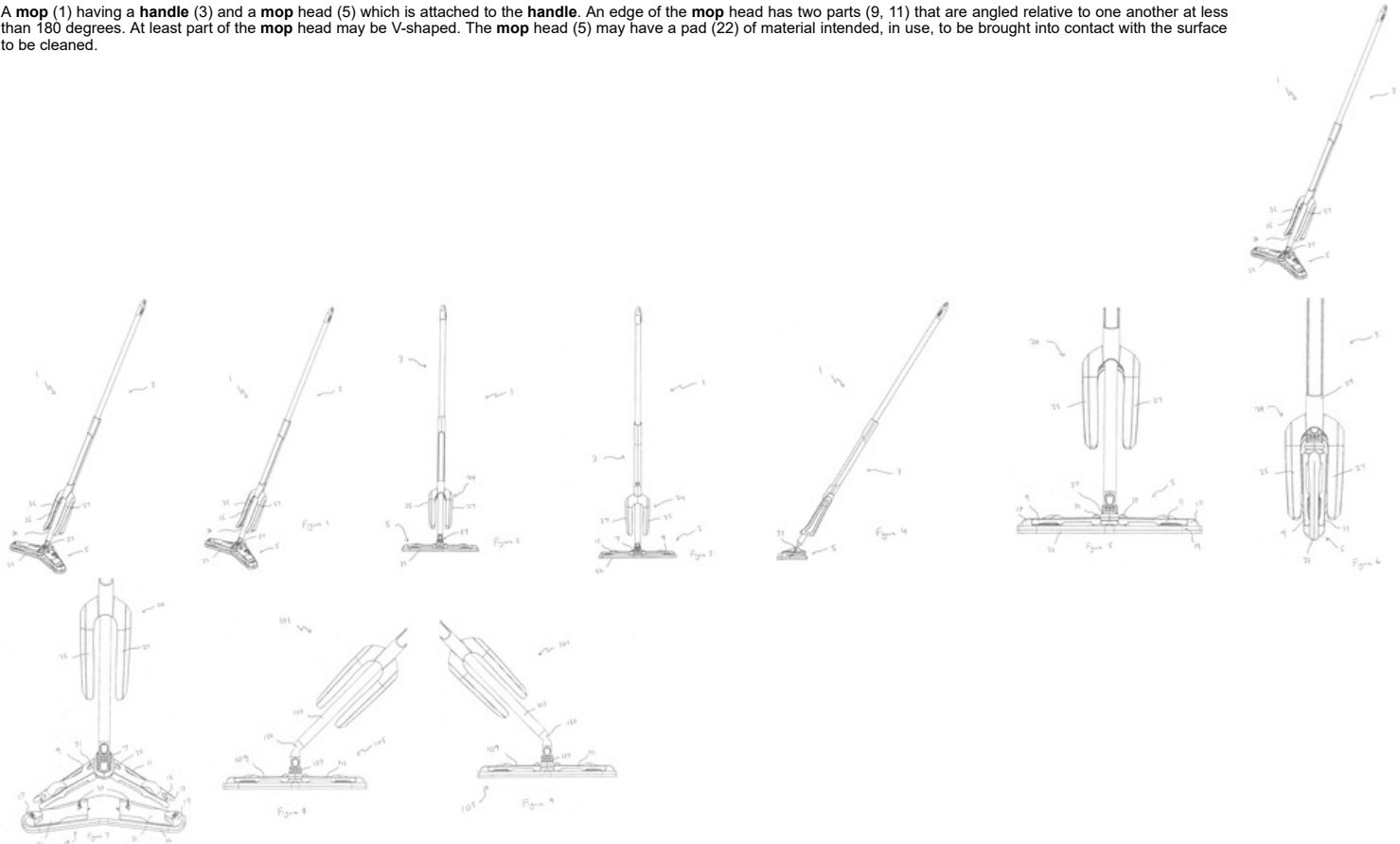
The present invention refers to a cleaning device (10,300) which comprises a **handle** assembly (14,314), a cleaning head (12,12',312) pivotally mounted to said **handle** assembly and configured for receiving a replaceable cleaning pad (70,70',370) for collecting dirt from a floor surface (13) to be cleaned, a spray nozzle (20,22',330,332) carried by one of said cleaning head and said **handle** assembly for delivering a cleaning solution to a floor surface to be cleaned, a liquid delivery system (90,90') for the cleaning solution, the liquid delivery system communicating with said spray nozzle and being carried by at least one of said **handle** assembly and said cleaning head, a suction nozzle (18,318) carried by one of said cleaning head and said **handle** assembly, a dirt collection assembly (32,324) communicating with said suction nozzle, said dirt collection assembly being carried by one of said **handle** assembly and said cleaning head, a source of suction (30) carried by one of said **handle** assembly and said cleaning head, said source of suction communication with said dirt collection assembly and said suction nozzle, and an actuation system (150) suitable to operate the source of suction and the liquid delivery system, wherein the actuation system comprises a thumb switch (152) and a trigger (154).



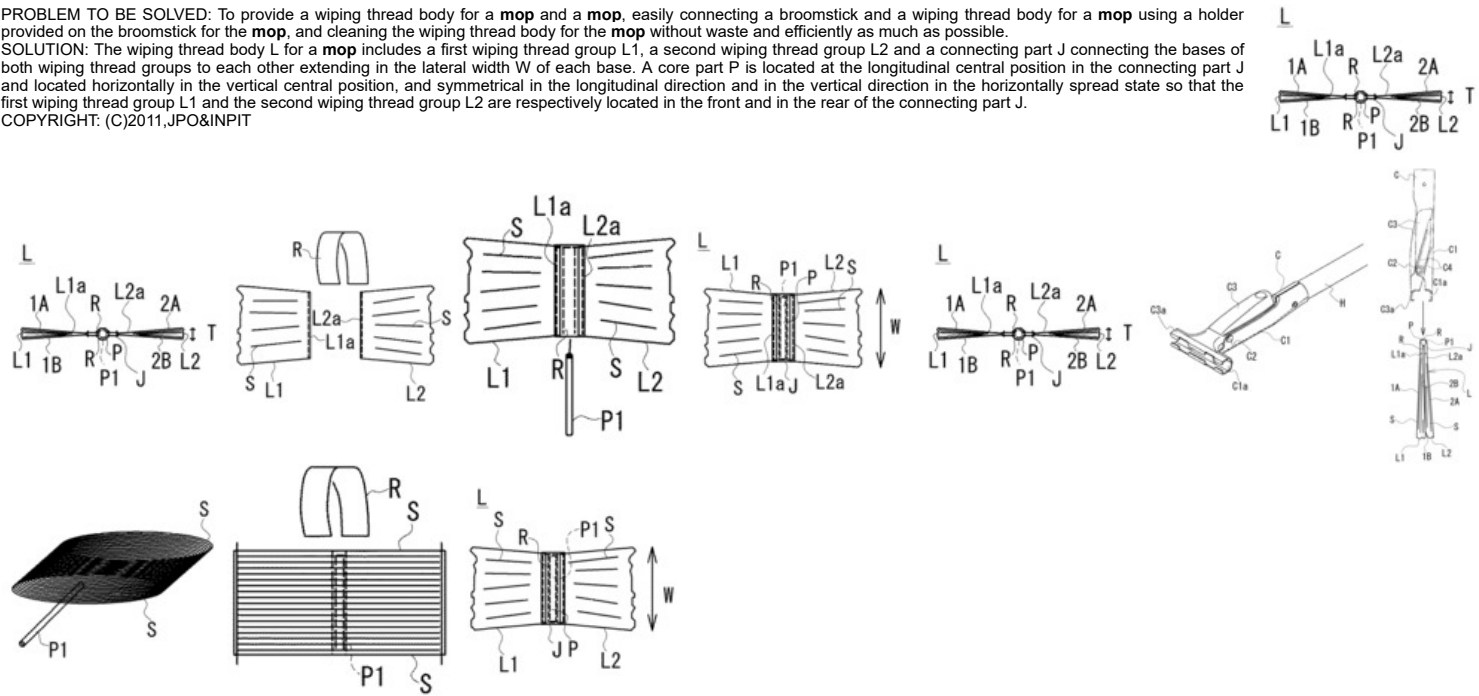
Broom for cleaning has regulator for controlling flow of floor cleaning and treatment products. Broom is characterized in that tubular appendage (29) provided on bottom of reservoir (3) for discharge of liquid has opening sufficiently large to allow it to be easily cleaned of incrustations and deposits that result from use of dense or semi-dense fluids, such as floor waxes, and is structured continuously with bottom of reservoir, so as to resist any interventions resulting from possible cleaning of tubular section.



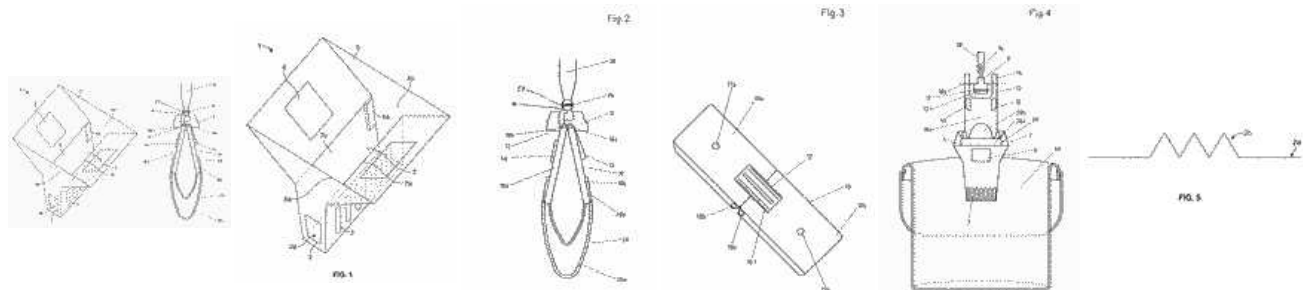
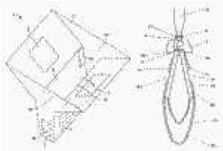
A mop (1) having a handle (3) and a mop head (5) which is attached to the handle. An edge of the mop head has two parts (9, 11) that are angled relative to one another at less than 180 degrees. At least part of the mop head may be V-shaped. The mop head (5) may have a pad (22) of material intended, in use, to be brought into contact with the surface to be cleaned.



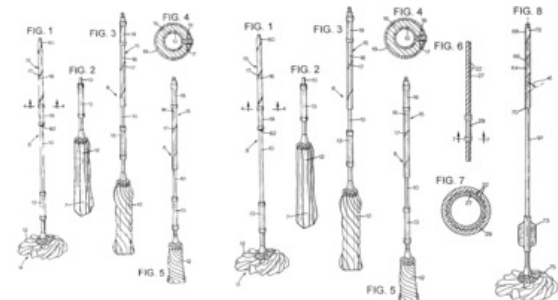
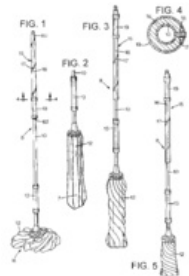
PROBLEM TO BE SOLVED: To provide a wiping thread body for a mop and a mop, easily connecting a broomstick and a wiping thread body for a mop using a holder provided on the broomstick for the mop, and cleaning the wiping thread body for the mop without waste and efficiently as much as possible.
SOLUTION: The wiping thread body L for a mop includes a first wiping thread group L1, a second wiping thread group L2 and a connecting part J connecting the bases of both wiping thread groups to each other extending in the lateral width W of each base. A core part P is located at the longitudinal central position in the connecting part J and located horizontally in the vertical central position, and symmetrical in the longitudinal direction and in the vertical direction in the horizontally spread state so that the first wiping thread group L1 and the second wiping thread group L2 are respectively located in the front and in the rear of the connecting part J.
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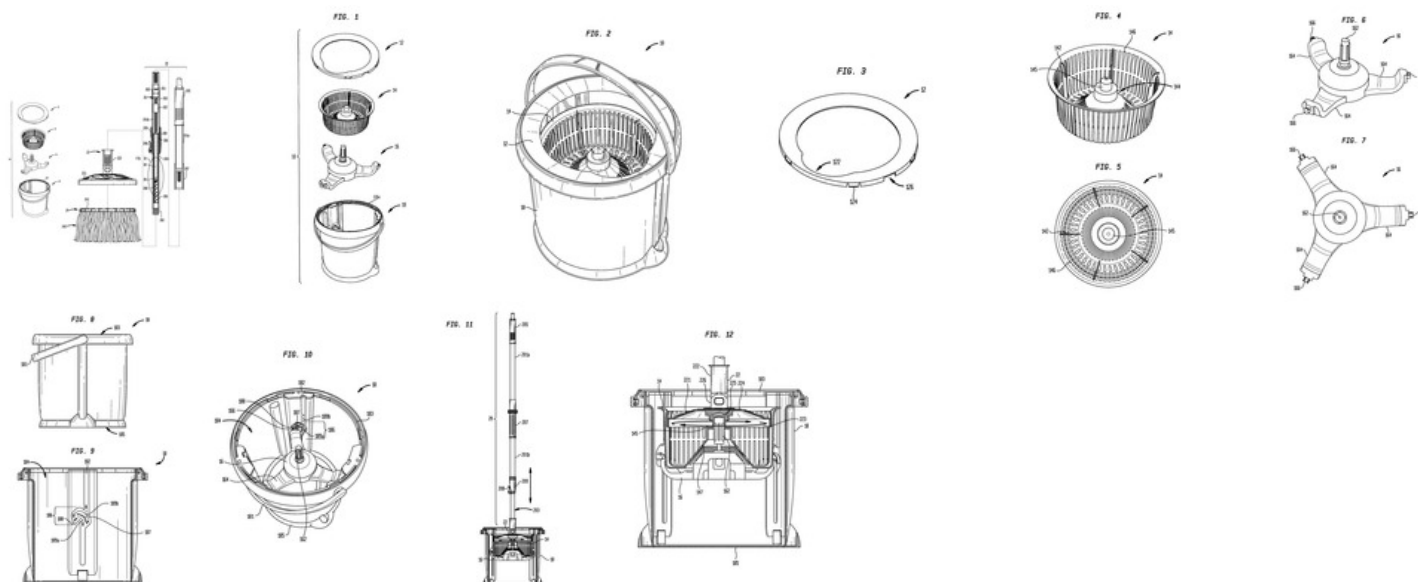
A wringing device (1) for a wiper covering (20) on a flat wiper is disclosed, comprising a downwardly conically tapering, essentially funnel-shaped wringing shaft (2) with counter-pressure surfaces, whereby the wiper covering (20), on placing the wiper plate (10) in an essentially vertical position, is partly removed from the above and hangs down and may be introduced upwards and squeezed by pressure on the **handle** (30). The wiper plate (10) may also be partly introduced into the wringing shaft (2) for squeezing, such that the front face thereof, facing downwards, forms a squeezing surface. Said wringing device (1) comprises devices for stabilization of the wiper plate against tipping on introduction and squeezing of the wiper covering (20) in the wringing shaft (2). The invention further relates to a use of said wringing device and a cleaning system, comprising an advantageous combination of the above wringing device (1) with a flat wiper with a two-piece wiper plate (10) with plate wings (10 a, 10 b) which may be swung down and a looped wiper covering (20) hanging downwards.



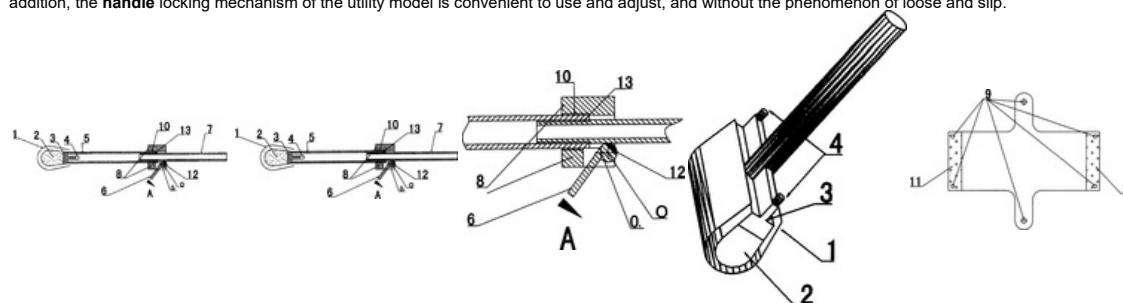
A floor **mop** having a stick (10), a **mop** head (11) including a **mop** fabric (12) and a lower **handle** (13) and an upper **handle** (19). The lower **handle** is axially and rotatably movable relative to the stick (10) and is attached to one end of the **mop** fabric (12) of the **mop** head. The other end of the **mop** fabric is non-rotatably attached to a lower end of the stick (10). The upper **handle** (19) is attached to the stick (10) or to an attachment member (16) that is mounted on the stick (10) to enable the rotation of the stick (10) to wring the **mop** fabric (12) of the **mop** head.



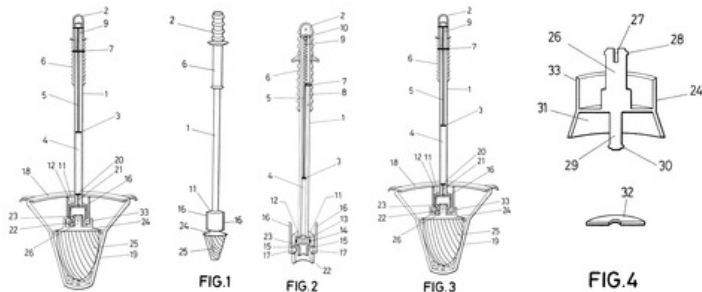
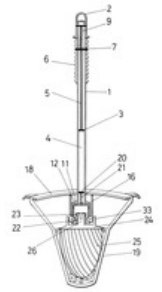
This diagram illustrates the exploded view of the 1000 Series Vacuum Cleaner. The components are numbered as follows: 1. Motor unit, 2. Motor housing, 3. Motor cover, 4. Motor base, 5. Motor housing cover, 6. Motor housing base, 7. Motor housing cover base, 8. Motor housing base cover, 9. Motor housing base cover base, 10. Motor housing base cover base cover, 11. Motor housing base cover base cover base, 12. Motor housing base cover base cover base cover, 13. Motor housing base cover base cover base cover base, 14. Motor housing base cover base cover base cover base cover.



41	Mop	CN2673284	2004-01-08	LIKE PENG*	2005-01-26	2005-01-26
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SELF-DRAINING MOP SYSTEM using fluid or gas pressure, consisting of a below, a plunge or pressure cylinder that, when activated by a pedal, or from the mop handle when sliding the movable grip, adds pressure to an elastic membrane, or to a start-up cylinder and this one to a push cylinder with its own platform or to a traction cylinder connecting the traction plunger to the mop's bushing, properly positioned or notched with rods or cams, the end of the mop or the traction body, when the volume of the elastic chamber increases or when the pushing platform is raised or when the traction plunger moves which is joined to the mop end bushing, compresses and wrings same, sending the remaining liquid through the release channels or through the wringer, to the bucket, wringing same



43. Wide cross bar type wringing mop

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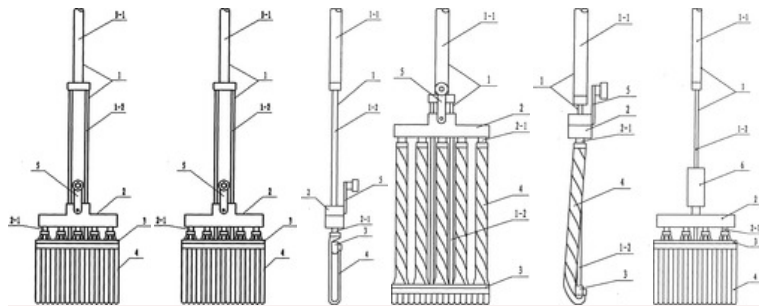
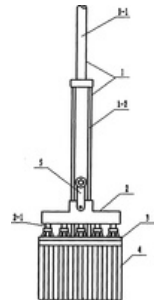
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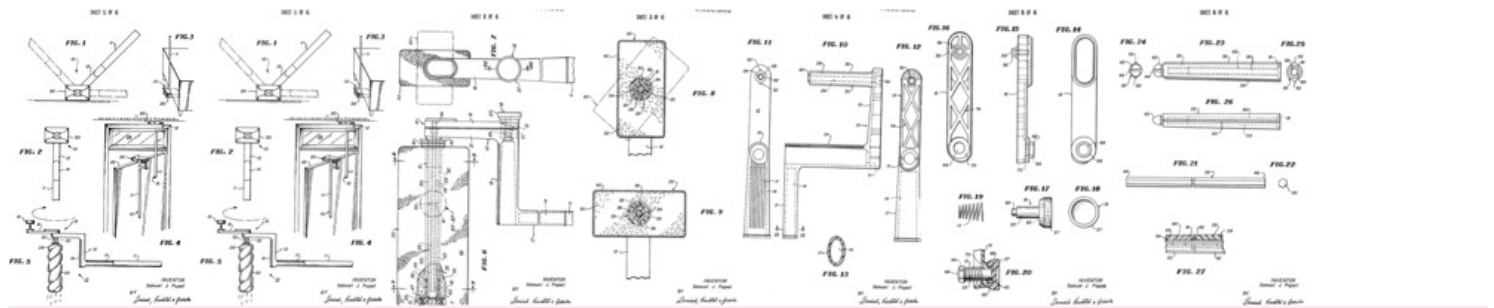
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2011-11-23

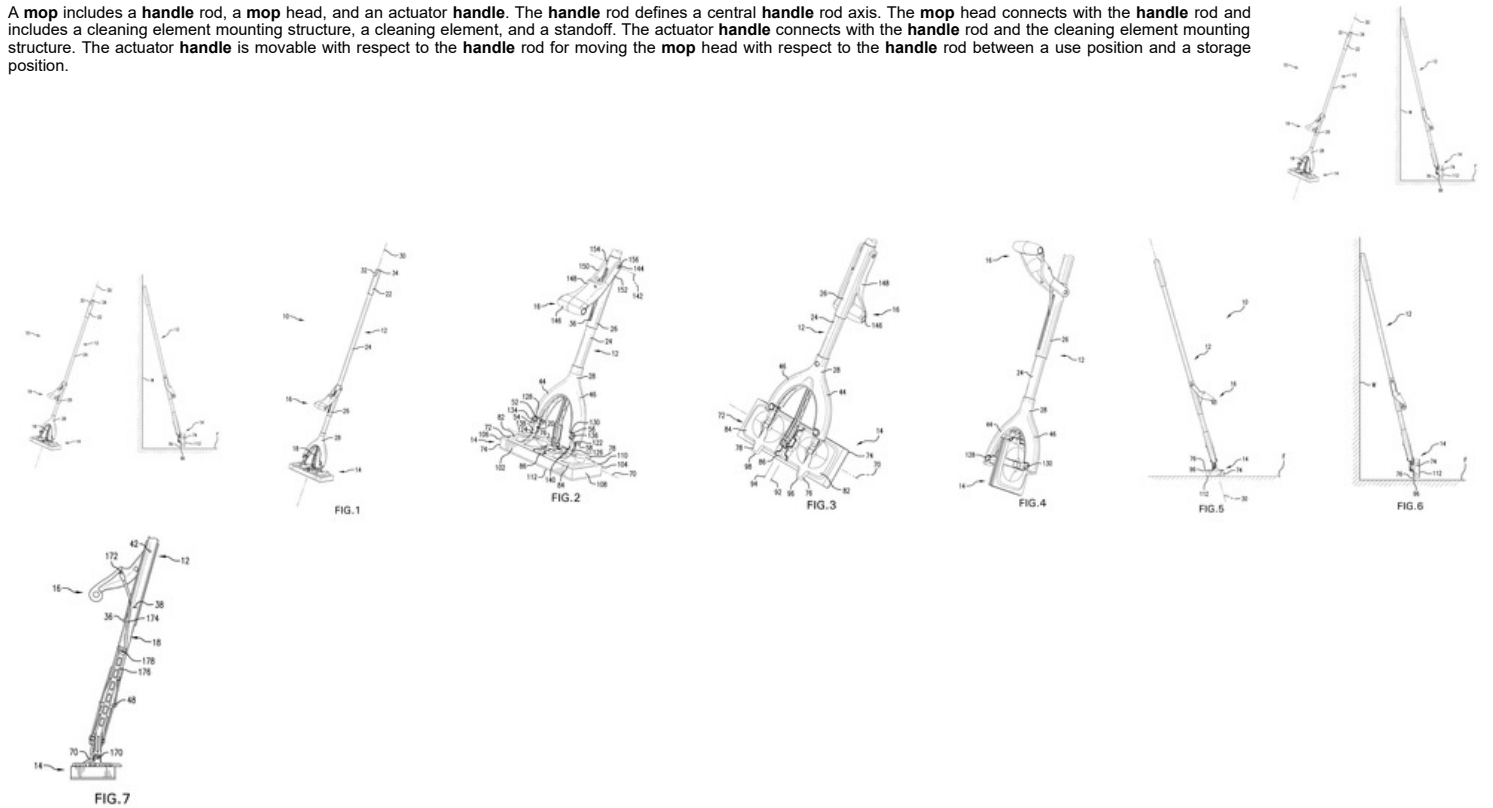
2011-11-23

The utility model discloses a wide cross bar type wringing mop, which comprises a handle stem, an upper cross bar box, a lower cross bar, mop fabric and a wringing operator, wherein the handle stem is formed by combining an upper handle stem and a lower handle stem through a middle connecting piece; the lower handle stem passes through the upper cross bar box to be fixedly connected with the lower cross bar; the upper cross bar box is movably sleeved on the lower handle stem; a mechanical transmission mechanism is arranged in the upper cross bar box; the wringing operator is connected with the mechanical transmission mechanism; one end of the mop fabric is uniformly distributed on one side of the lower cross bar and is connected with the lower cross bar, and the other end of the mop fabric is divided into at least two groups by bypassing the space below the lower cross bar to be connected with a rotating shaft below the upper cross bar box; the mop fabric is divided into an odd or even number of groups; one or two lower handle stems are available; and the wringing operator is a crank or a rotary sleeve. The mop fabric of the mop can be uniformly distributed on the two sides of the lower cross bar respectively, so that force can be conveniently applied to the two sides of the mop, the mop can be wringed, the mopping efficiency is high, and the cleaning effect is good.

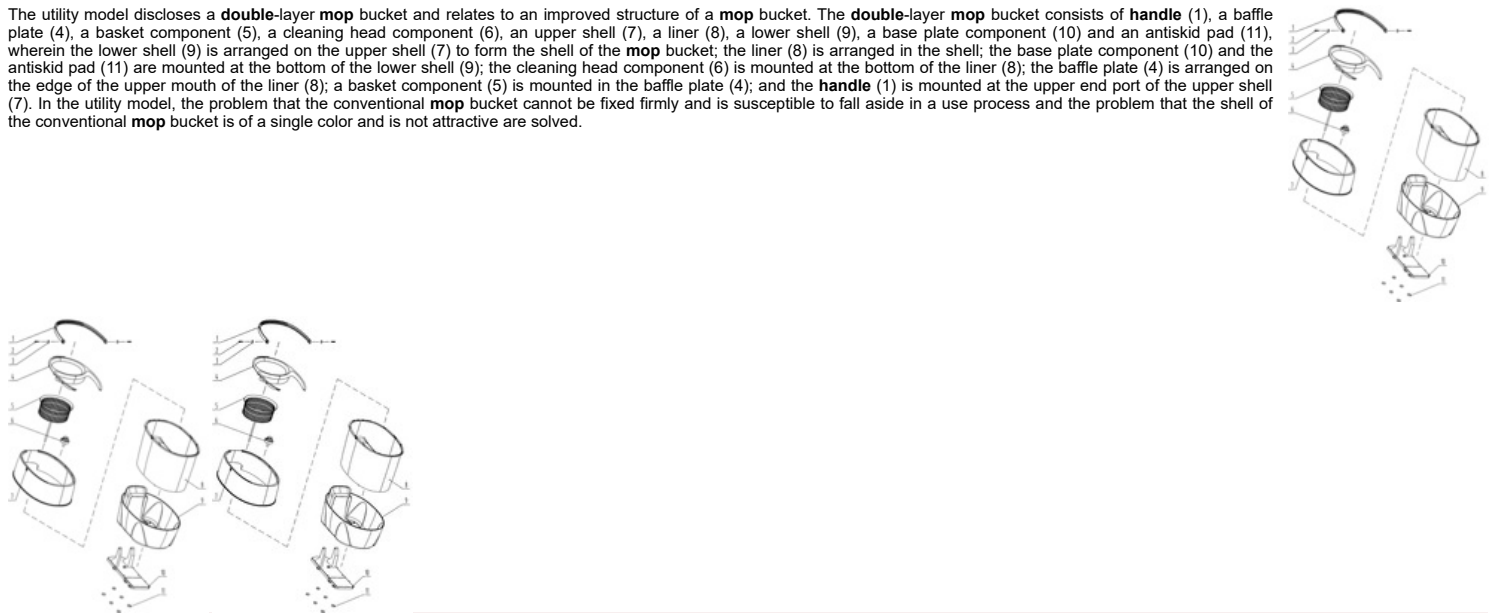




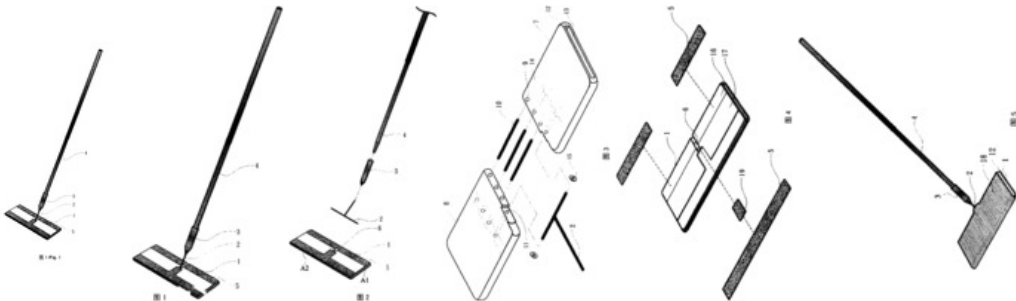
A **mop** includes a **handle** rod, a **mop** head, and an actuator **handle**. The **handle** rod defines a central **handle** rod axis. The **mop** head connects with the **handle** rod and includes a cleaning element mounting structure, a cleaning element, and a standoff. The actuator **handle** connects with the **handle** rod and the cleaning element mounting structure. The actuator **handle** is movable with respect to the **handle** rod for moving the **mop** head with respect to the **handle** rod between a use position and a storage position.



The utility model discloses a **double-layer mop** bucket and relates to an improved structure of a **mop** bucket. The **double-layer mop** bucket consists of **handle** (1), a baffle plate (4), a basket component (5), a cleaning head component (6), an upper shell (7), a liner (8), a lower shell (9), a base plate component (10) and an antiskid pad (11), wherein the lower shell (9) is arranged on the upper shell (7) to form the shell of the **mop** bucket; the liner (8) is arranged in the shell; the base plate component (10) and the antiskid pad (11) are mounted at the bottom of the lower shell (9); the cleaning head component (6) is mounted at the bottom of the liner (8); the baffle plate (4) is arranged on the edge of the upper mouth of the liner (8); a basket component (5) is mounted in the baffle plate (4); and the **handle** (1) is mounted at the upper end port of the upper shell (7). In the utility model, the problem that the conventional **mop** bucket cannot be fixed firmly and is susceptible to fall aside in a use process and the problem that the shell of the conventional **mop** bucket is of a single color and is not attractive are solved.

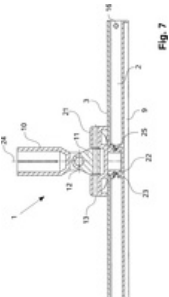
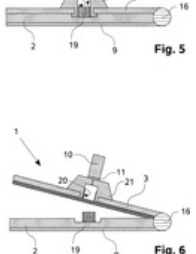
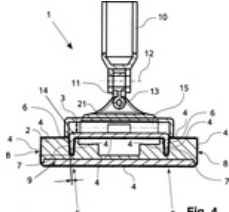
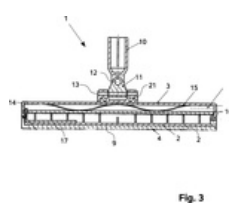
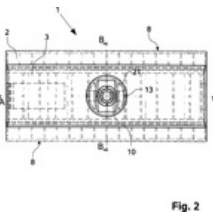
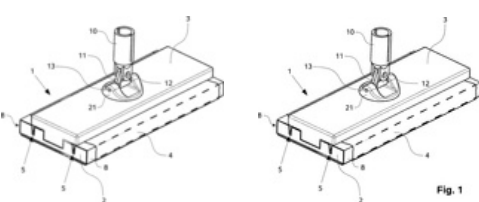
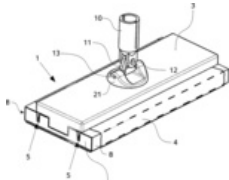


A **double-sided mop** comprises a **mop head** (1), a **grip** (4), T-shaped steel (2), and a connecting tube (3). Two opposite ends of the T-shaped steel (2) are arranged in T-shaped steel shaft holes (11) at two sides of a central notch (6) of the **double-sided mop head** (1). The **double-sided mop head** (1) rotates with the two opposite ends of the T-shaped steel (2) as a rotation axis. The connecting tube (3) is connected to a third end other than the two opposite ends. The **grip** (4) is connected to the connecting tube (3). The T-shaped steel (2) can rotate at the central notch (6) of the **mop head** (1) so that two mopping surfaces of the **mop head** (1) are used in alternation. During operation, **mop cloth** (18) simply needs to be adhered to the two mopping surfaces (A1, A2) of the **mop head** (1), so as to reduce the replacing and washing times of the **mop cloth**, thereby saving time and improving cleaning efficiency.

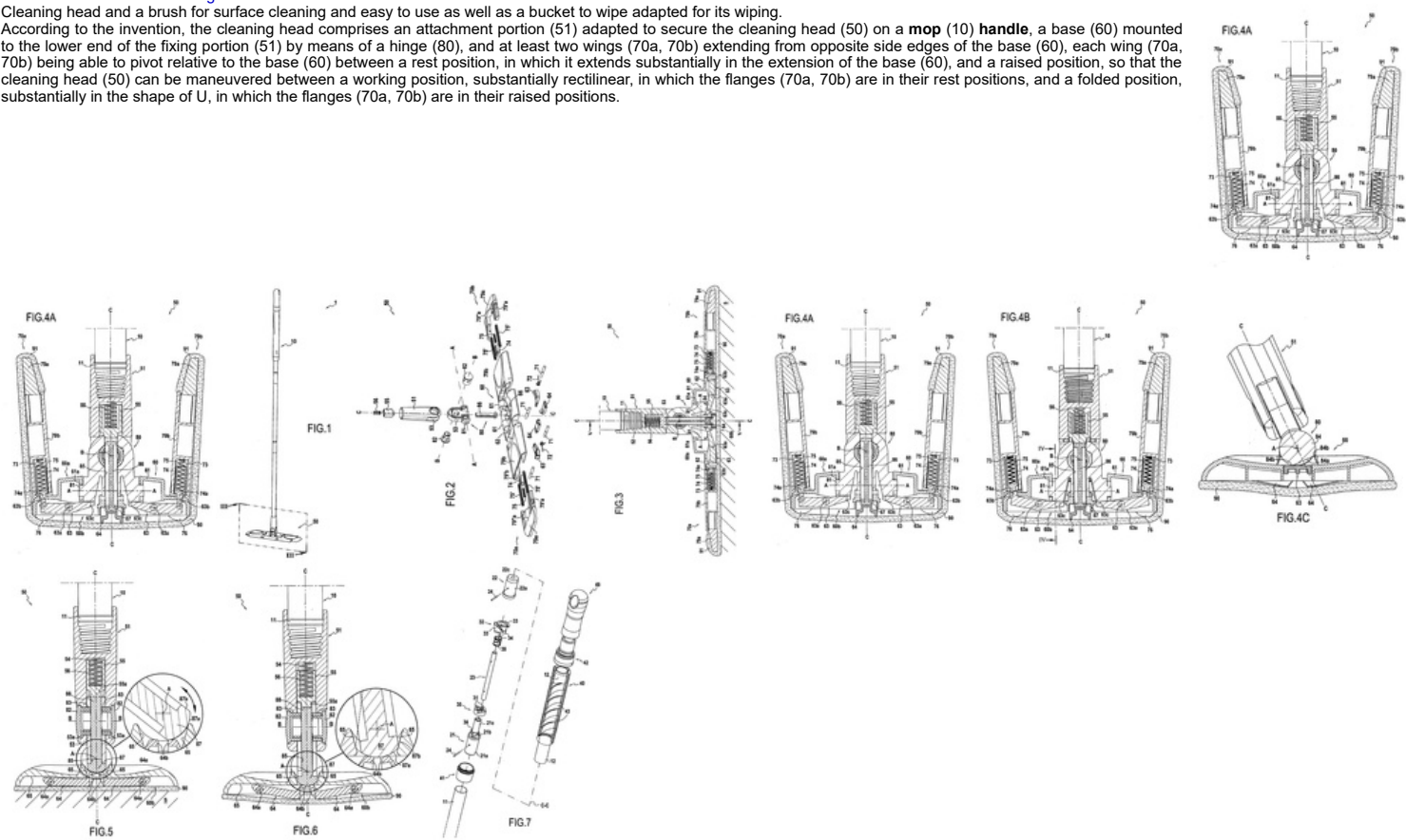


49. Floor cleaning device e.g. swab head, has cleaning textile that is attachable to mop body, and multiple interlocking units provided at mop body and fastener, where cleaning textile is clampable to mop body by interlocking units

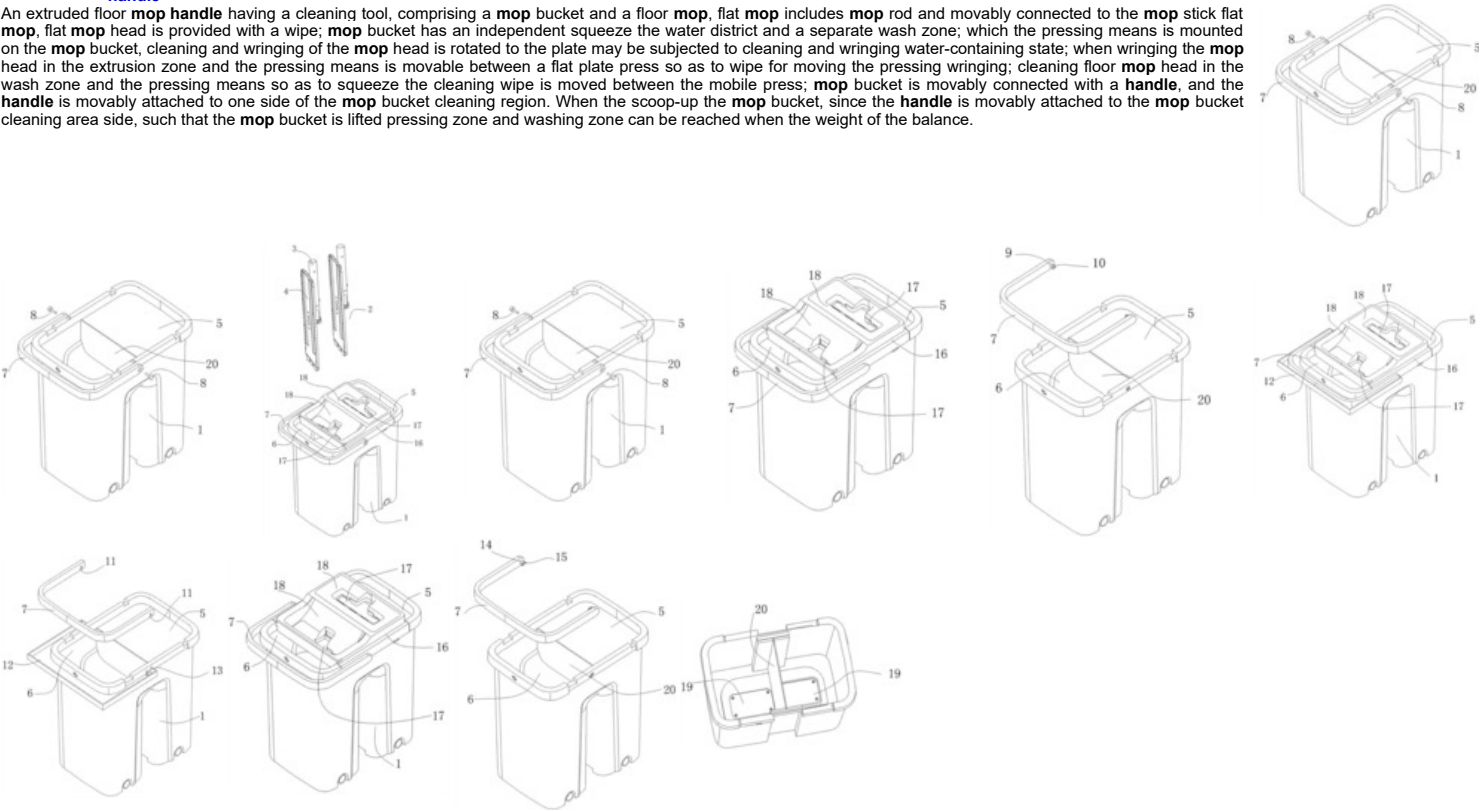
The device (1) has a cleaning textile (4) that is attachable to a **mop body** (2) such that the cleaning textile is arranged partially between the **mop body** and a floor to be cleaned and is brought in contact with the floor. The cleaning textile is fixable to the **mop body** by a fastener (3). Multiple interlocking units (5) are provided at the **mop body** and the fastener, where the cleaning textile is clampable to the **mop body** by the interlocking units. The interlocking units exhibit slots that are arranged at the fastener or at the **mop body**. An independent claim is also included for a method for cleaning a floor.



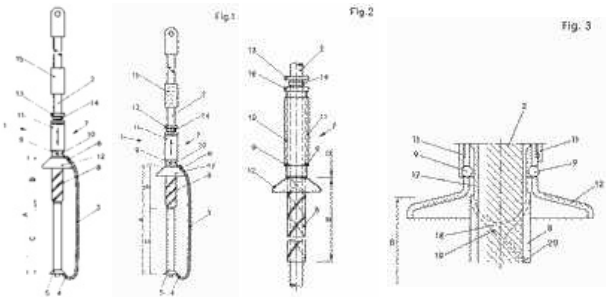
Cleaning head and a brush for surface cleaning and easy to use as well as a bucket to wipe adapted for its wiping.
 According to the invention, the cleaning head comprises an attachment portion (51) adapted to secure the cleaning head (50) on a mop (10) handle, a base (60) mounted to the lower end of the fixing portion (51) by means of a hinge (80), and at least two wings (70a, 70b) extending from opposite side edges of the base (60), each wing (70a, 70b) being able to pivot relative to the base (60) between a rest position, in which it extends substantially in the extension of the base (60), and a raised position, so that the cleaning head (50) can be maneuvered between a working position, substantially rectilinear, in which the flanges (70a, 70b) are in their rest positions, and a folded position, substantially in the shape of U, in which the flanges (70a, 70b) are in their raised positions.



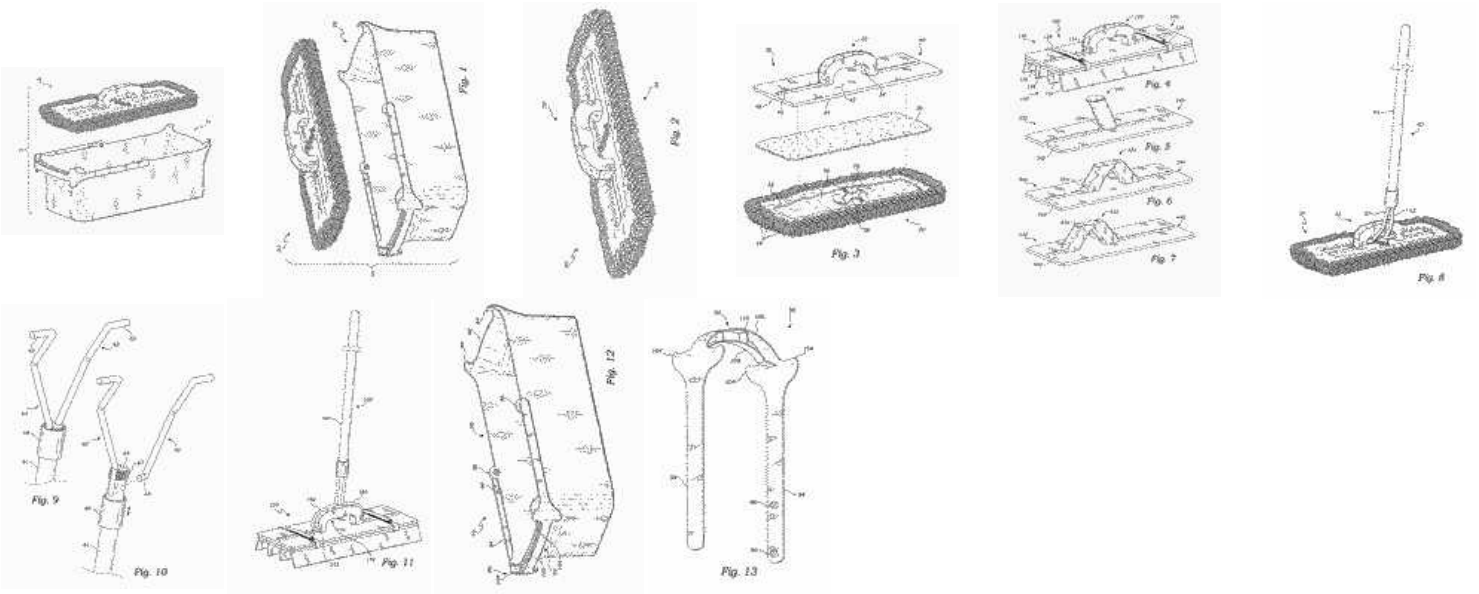
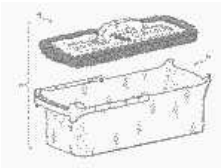
An extruded floor mop handle having a cleaning tool, comprising a mop bucket and a floor mop, flat mop includes mop rod and movably connected to the mop stick flat mop, flat mop head is provided with a wipe; mop bucket has an independent squeeze the water district and a separate wash zone; which the pressing means is mounted on the mop bucket, cleaning and wringing of the mop head is rotated to the plate may be subjected to cleaning and wringing water-containing state; when wringing the mop head in the extrusion zone and the pressing means is movable between a flat plate press so as to wipe for moving the pressing wringing; cleaning floor mop head in the wash zone and the pressing means so as to squeeze the cleaning wipe is moved between the mobile press; mop bucket is movably connected with a handle, and the handle is movably attached to one side of the mop bucket cleaning region. When the scoop-up the mop bucket, since the handle is movably attached to the mop bucket cleaning area side, such that the mop bucket is lifted pressing zone and washing zone can be reached when the weight of the balance.



Wiper **mop** with **handle** has wiper made of fringes or similar capable of suction, which with its lower end is connected to end of **handle** and with its upper end is releasably connected to hand **grip** movable in relation to **handle**
A wiper made of fringes or similar capable of suction forms part of a wiper **mop** with a **handle**. With its lower end, the wiper is connected to the end of the **handle** and with its upper end is releasably connected to a hand **grip** movable in relation to the **handle**. To drain the wiper **mop**, the hand **grip** is moved in the direction of the lower **handle** end.
The **handle** (2) in an upper first part area (B) in the area (A) covered by the wiper in the outwardly drawn tensioned position is provided with a groove helix (8) in which is a guide component (9) of the hand **grip** (7). A lower second part area (C) is provided, which releases the guide component and with it the hand **grip**.



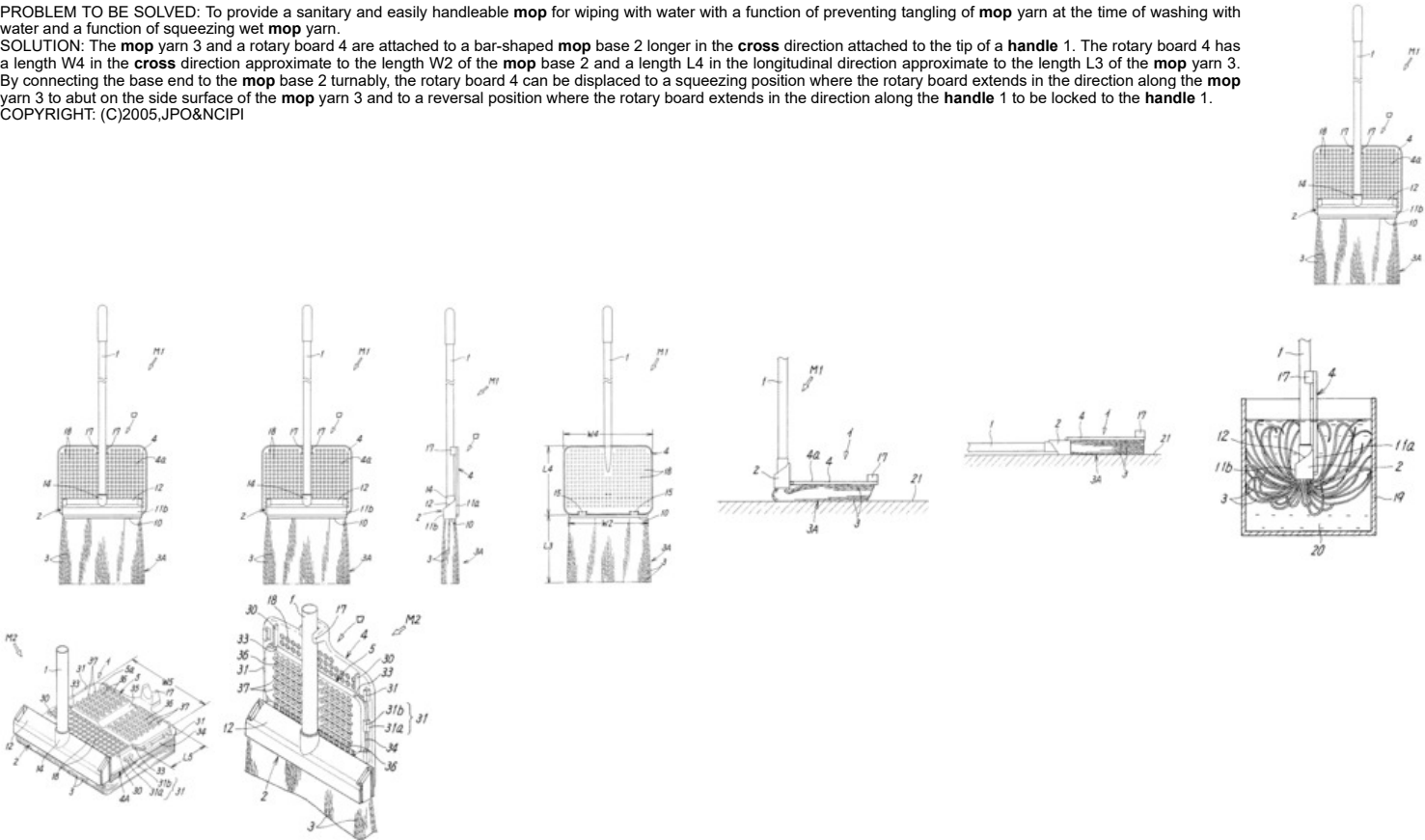
A multi-purpose mop system (10) includes a mop (20) having a mop handle (30) and a cleaning attachment (50) removably mounted thereon, the mop handle (30) further comprising a base (40) and a grip (32) installed thereon for manipulating the mop (20) during use, and a bucket (70) having a basin (80) and a bucket handle (90) removably and pivotally attached thereto, the basin (80) being formed with at least one basin channel (82) bounded by opposite, substantially upwardly-extending basin fingers (84), and the bucket handle (90) being formed in a central portion interconnecting opposite leg portions (94) with at least one respective handle channel (102) bounded by opposite handle fingers (104), whereby the basin channel (82) and the handle channel (102) cooperate in wringing the mop (20) during wet use. The cleaning attachment (50) may be a mop material (54) cinched onto the base (40) of the mop handle (30) using a drawstring (58) or may be a squeegee (150) strapped thereto. A removable extension handle (160) may be pivotally installed on the mop handle (30).



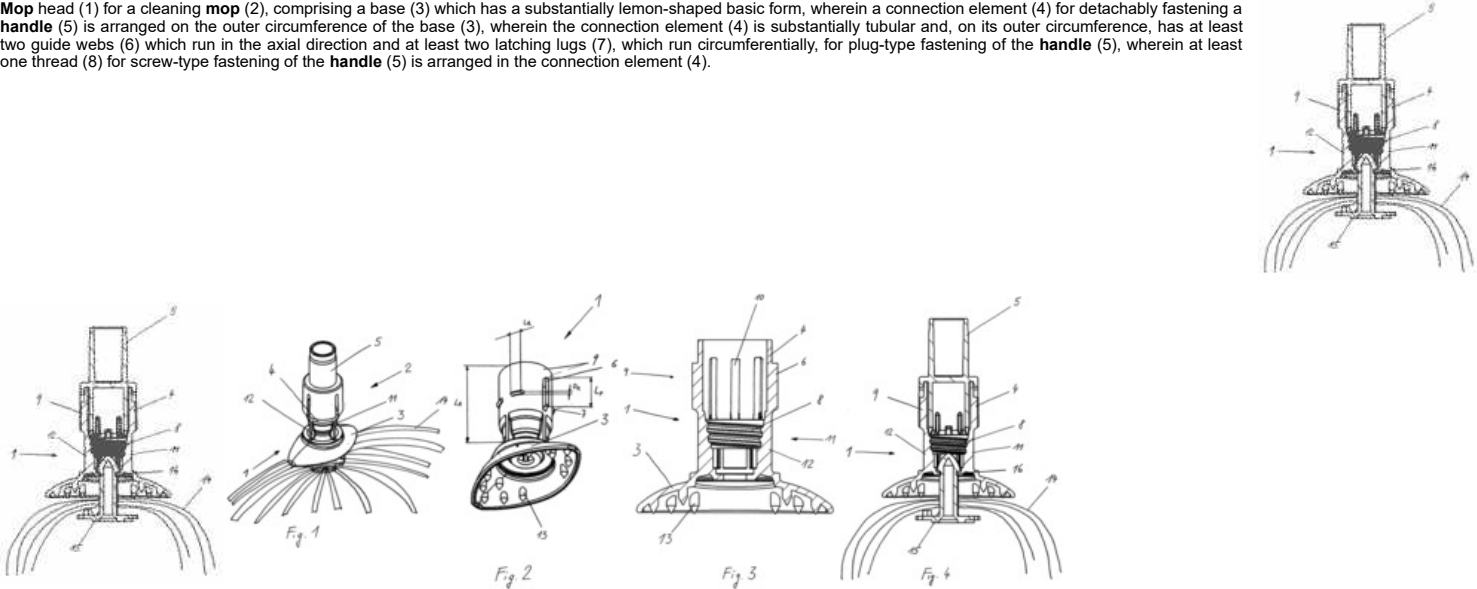
PROBLEM TO BE SOLVED: To provide a sanitary and easily handleable **mop** for wiping with water with a function of preventing tangling of **mop** yarn at the time of washing with water and a function of squeezing wet **mop** yarn.

SOLUTION: The **mop** yarn 3 and a rotary board 4 are attached to a bar-shaped **mop** base 2 longer in the **cross** direction attached to the tip of a **handle** 1. The rotary board 4 has a length W4 in the **cross** direction approximate to the length W2 of the **mop** base 2 and a length L4 in the longitudinal direction approximate to the length L3 of the **mop** yarn 3. By connecting the base end to the **mop** base 2 turnably, the rotary board 4 can be displaced to a squeezing position where the rotary board extends in the direction along the **handle** 1 to be locked to the **handle** 1.

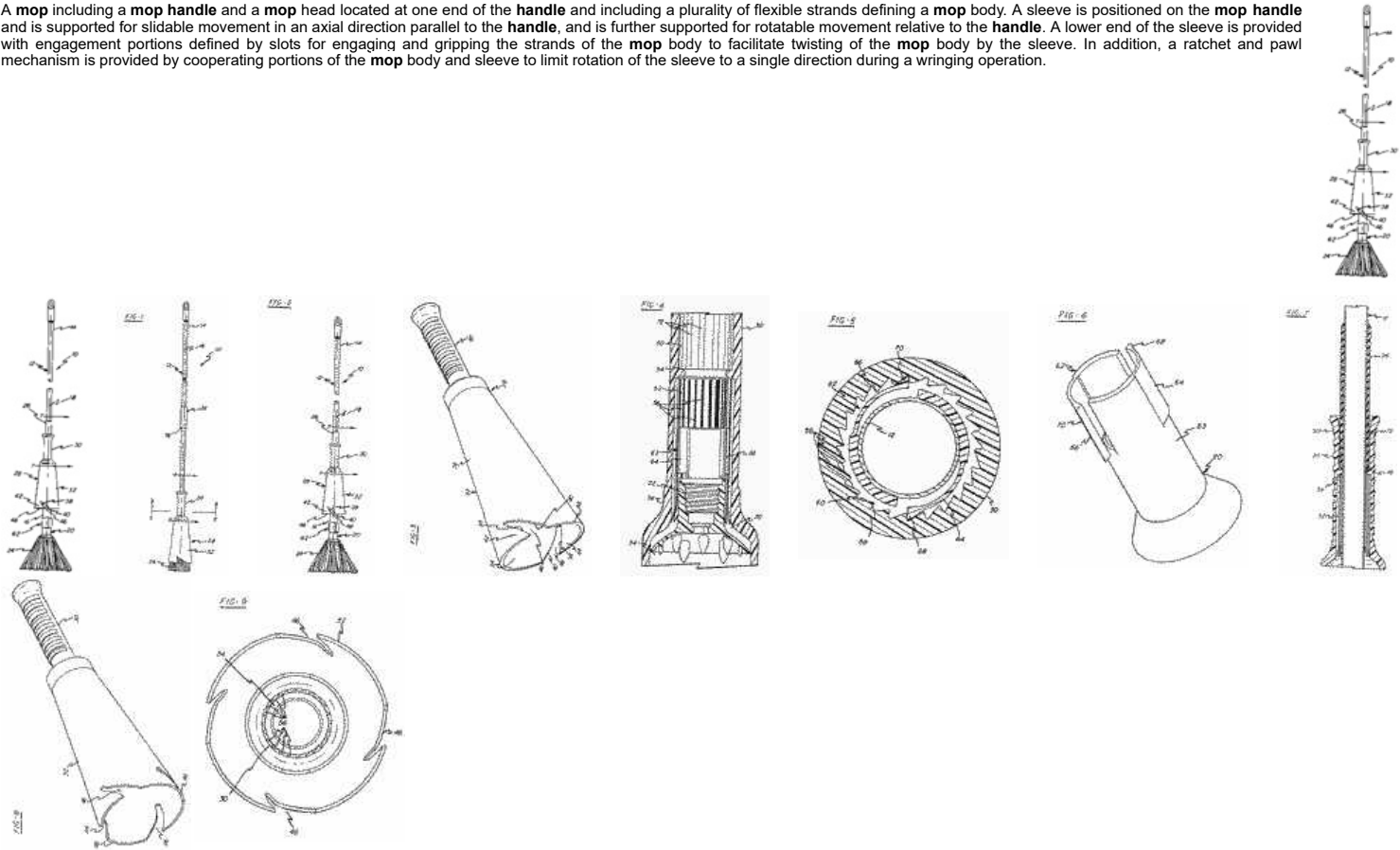
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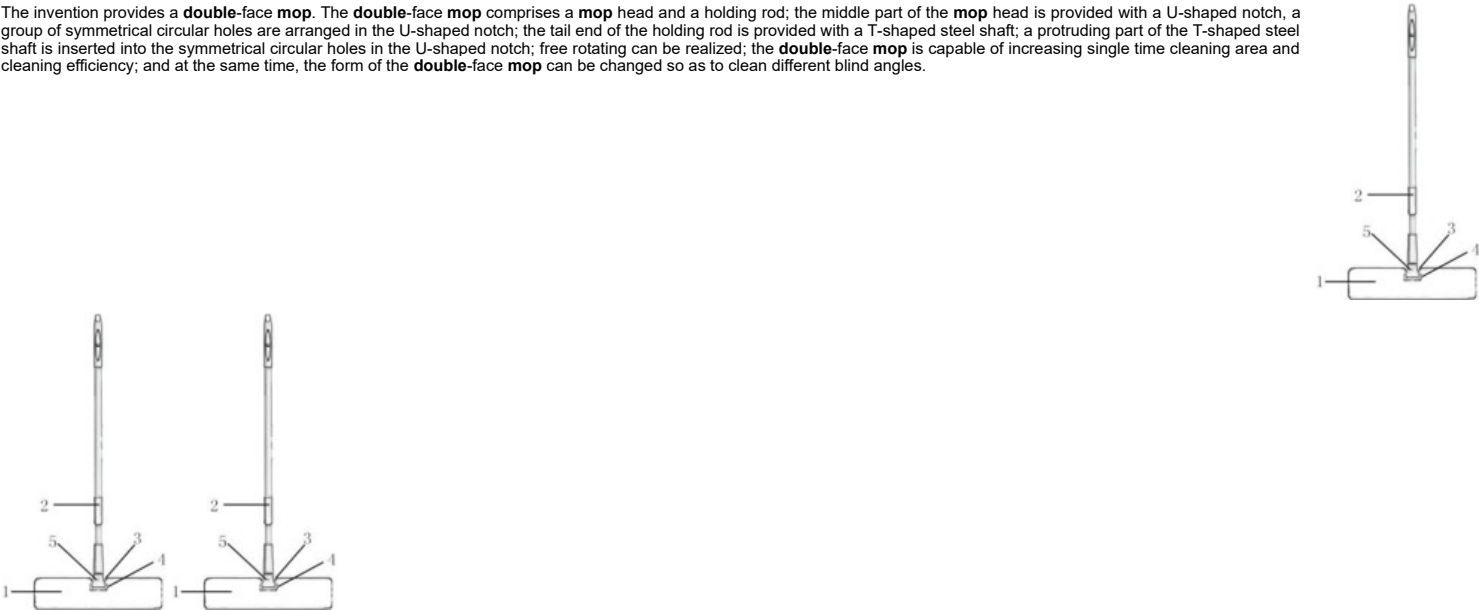
Mop head (1) for a cleaning mop (2), comprising a base (3) which has a substantially lemon-shaped basic form, wherein a connection element (4) for detachably fastening a handle (5) is arranged on the outer circumference of the base (3), wherein the connection element (4) is substantially tubular and, on its outer circumference, has at least two guide webs (6) which run in the axial direction and at least two latching lugs (7), which run circumferentially, for plug-type fastening of the handle (5), wherein at least one thread (8) for screw-type fastening of the handle (5) is arranged in the connection element (4).

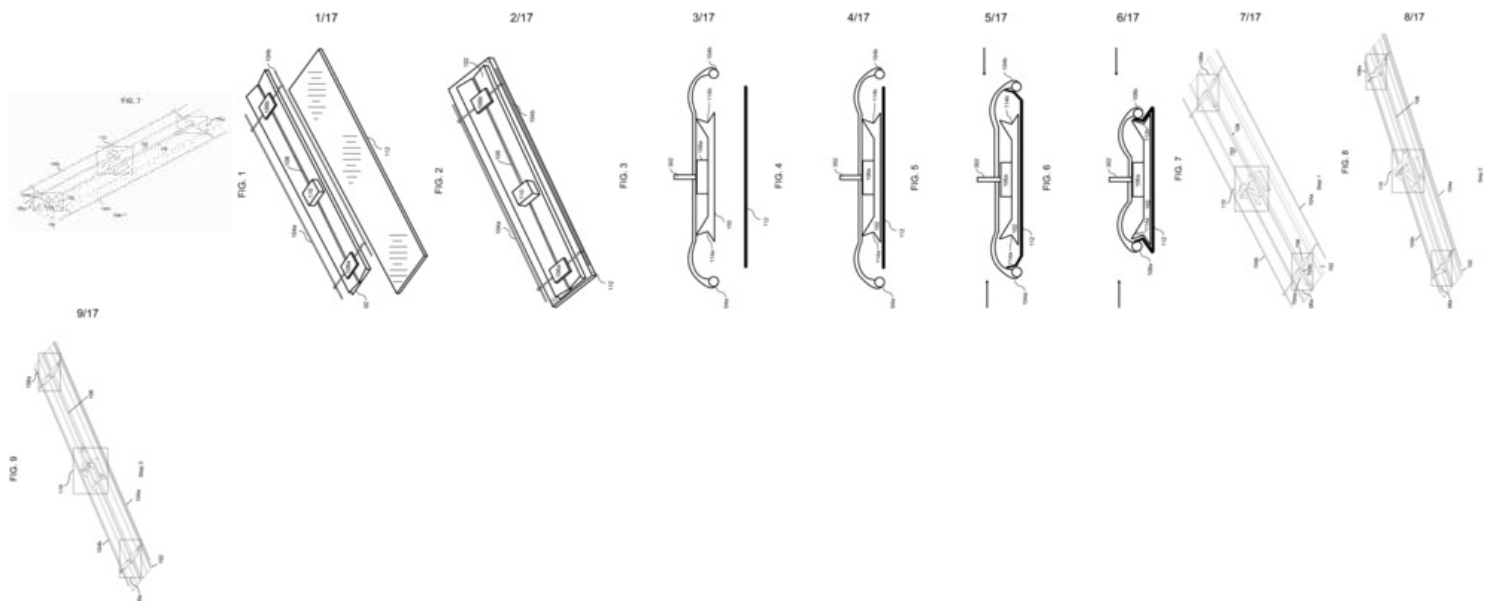
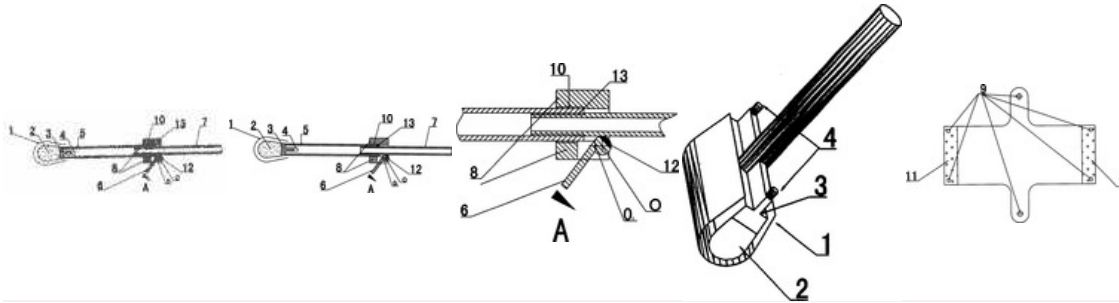


A **mop** including a **mop handle** and a **mop head** located at one end of the **handle** and including a plurality of flexible strands defining a **mop body**. A sleeve is positioned on the **mop handle** and is supported for slidable movement in an axial direction parallel to the **handle**, and is further supported for rotatable movement relative to the **handle**. A lower end of the sleeve is provided with engagement portions defined by slots for engaging and gripping the strands of the **mop body** to facilitate twisting of the **mop body** by the sleeve. In addition, a ratchet and pawl mechanism is provided by cooperating portions of the **mop body** and sleeve to limit rotation of the sleeve to a single direction during a wringing operation.

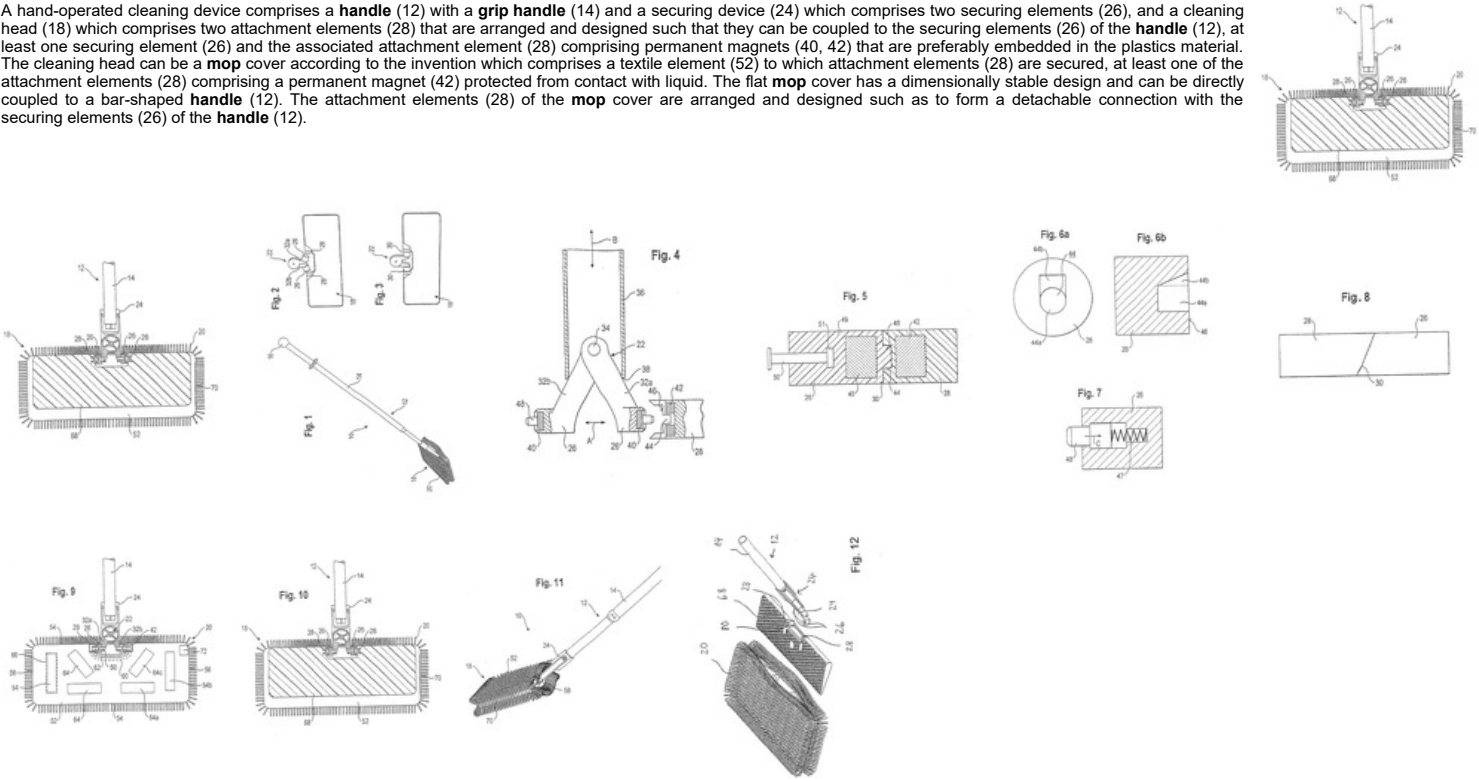


The invention provides a **double-face mop**. The **double-face mop** comprises a **mop head** and a holding rod; the middle part of the **mop head** is provided with a U-shaped notch, a group of symmetrical circular holes are arranged in the U-shaped notch; the tail end of the holding rod is provided with a T-shaped steel shaft; a protruding part of the T-shaped steel shaft is inserted into the symmetrical circular holes in the U-shaped notch; free rotating can be realized; the **double-face mop** is capable of increasing single time cleaning area and cleaning efficiency; and at the same time, the form of the **double-face mop** can be changed so as to clean different blind angles.

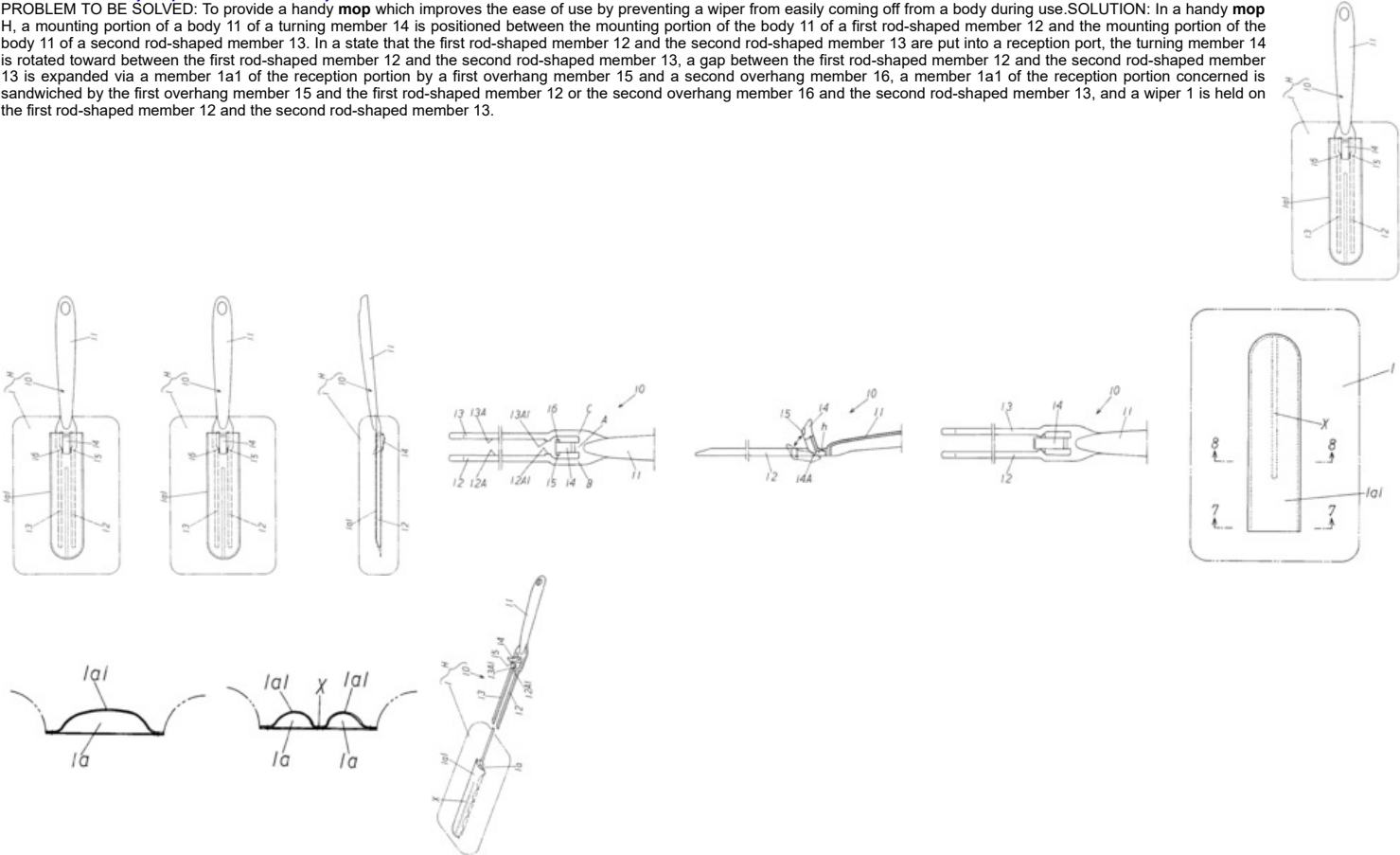




A hand-operated cleaning device comprises a **handle** (12) with a **grip handle** (14) and a securing device (24) which comprises two securing elements (26), and a cleaning head (18) which comprises two attachment elements (28) that are arranged and designed such that they can be coupled to the securing elements (26) of the **handle** (12), at least one securing element (26) and the associated attachment element (28) comprising permanent magnets (40, 42) that are preferably embedded in the plastics material. The cleaning head can be a **mop cover** according to the invention which comprises a textile element (52) to which attachment elements (28) are secured, at least one of the attachment elements (28) comprising a permanent magnet (42) protected from contact with liquid. The flat **mop cover** has a dimensionally stable design and can be directly coupled to a bar-shaped **handle** (12). The attachment elements (28) of the **mop cover** are arranged and designed such as to form a detachable connection with the securing elements (26) of the **handle** (12).



PROBLEM TO BE SOLVED: To provide a handy mop which improves the ease of use by preventing a wiper from easily coming off from a body during use.**SOLUTION:** In a handy mop H, a mounting portion of a body 11 of a turning member 14 is positioned between the mounting portion of the body 11 of a first rod-shaped member 12 and the mounting portion of the body 11 of a second rod-shaped member 13. In a state that the first rod-shaped member 12 and the second rod-shaped member 13 are put into a reception port, the turning member 14 is rotated toward between the first rod-shaped member 12 and the second rod-shaped member 13, a gap between the first rod-shaped member 12 and the second rod-shaped member 13 is expanded via a member 1a1 of the reception portion by a first overhang member 15 and a second overhang member 16, a member 1a1 of the reception portion concerned is sandwiched by the first overhang member 15 and the first rod-shaped member 12 or the second overhang member 16 and the second rod-shaped member 13, and a wiper 1 is held on the first rod-shaped member 12 and the second rod-shaped member 13.



The utility model relate to a mop dryer applied to extract the water from a mop, which is structurally characterized in that four idler wheels are arranged at the four corners of a movable frame, a double deck clamp shank is positioned in the mid of the middle part of the movable frame, a bucket is arranged at one side of the double deck clamp shank and a suck groove is arranged on the face of a boundary plate of the mop dryer to fasten with an upper clamp shank of the double deck clamp shank, a mop dryer leakage bodywork is arranged in the bucket, a net basket is positioned at the other side of the double deck clamp shank and clamped on a lower clamp shank of the double deck clamp shank. The utility model has the following advantages: firstly, the structure is simple, new, unique, and practicality, and the manufacturing cost is low; secondly, the design of a T-shape rack realizes the aim that two pressure pads are driven by one rack to move simultaneously up and down; thirdly, the drying effect is good, the utility model can effectively extract the water from the mop and then leak the water into the bucket by the repeated up and down movements of the pressure pads which squeeze the mop.

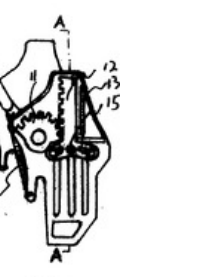
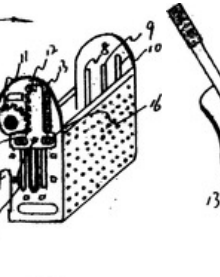
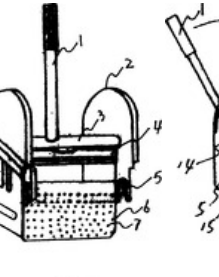
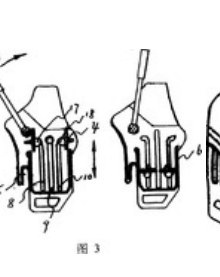
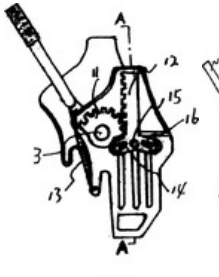
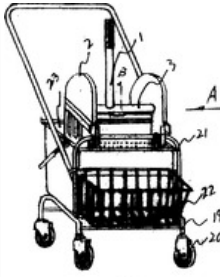
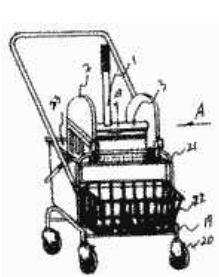
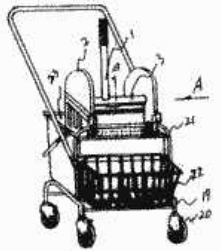
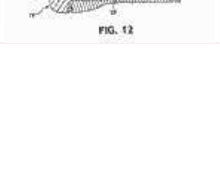
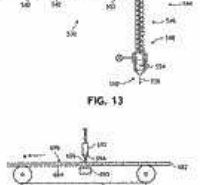
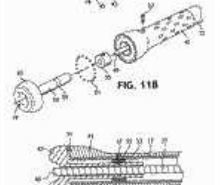
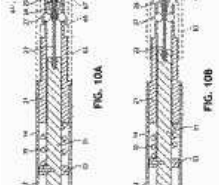
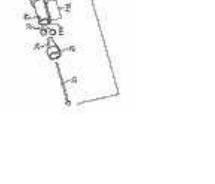
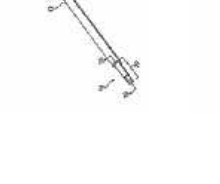
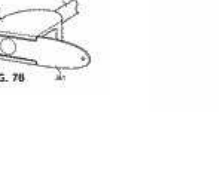
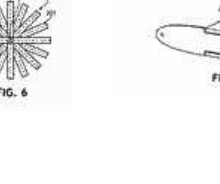
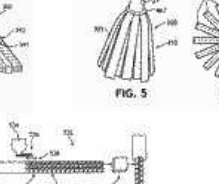
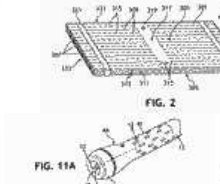
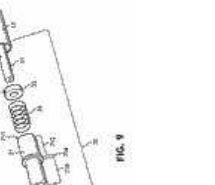
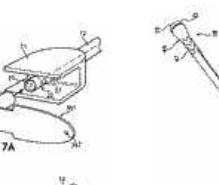
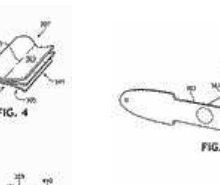
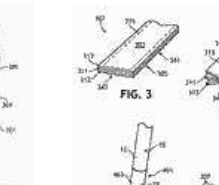
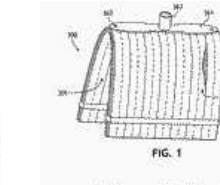
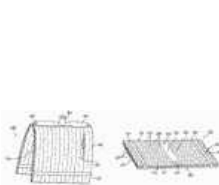
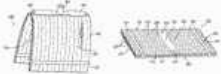
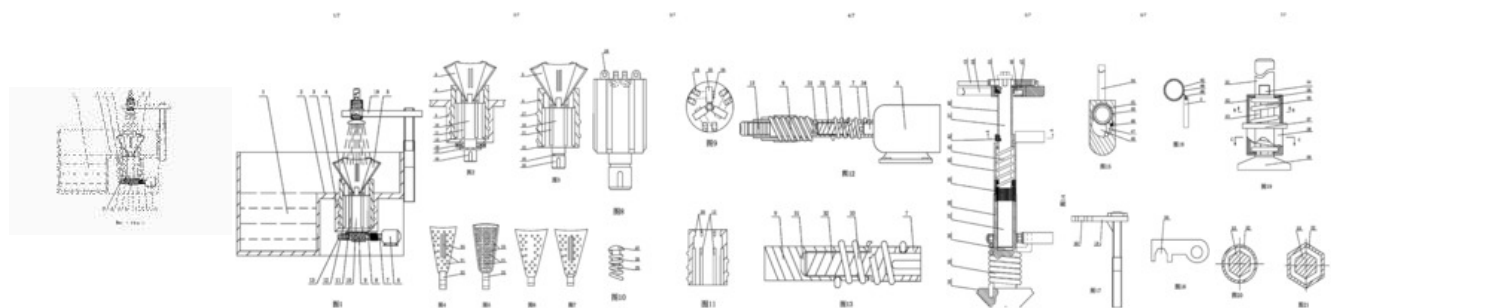
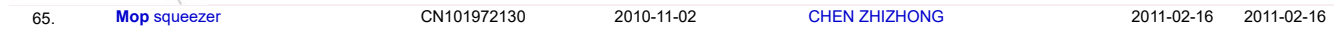


图 1 图 2 图 3 图 4 图 5 图 6

A wet mop head assembly (300) for use with a mop handle is disclosed. The mop head includes a laminate mop substrate (301) having a first layer of scrubbing material (313), a second layer of scrubbing material and an absorbent foam layer (311) sandwiched between the scrubbing material layers. At least one bond (315) is present to join the scrubbing and absorbent foam layers together.

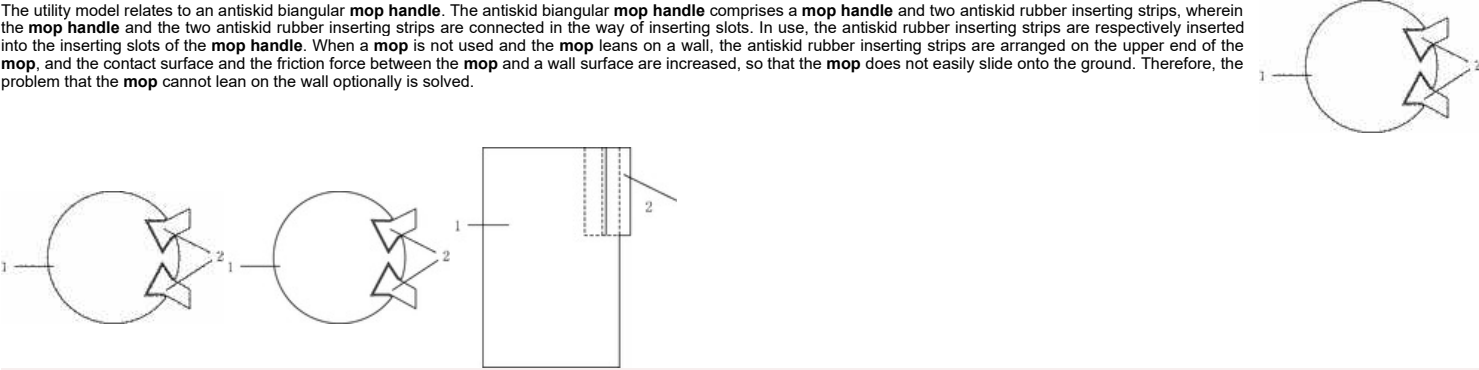


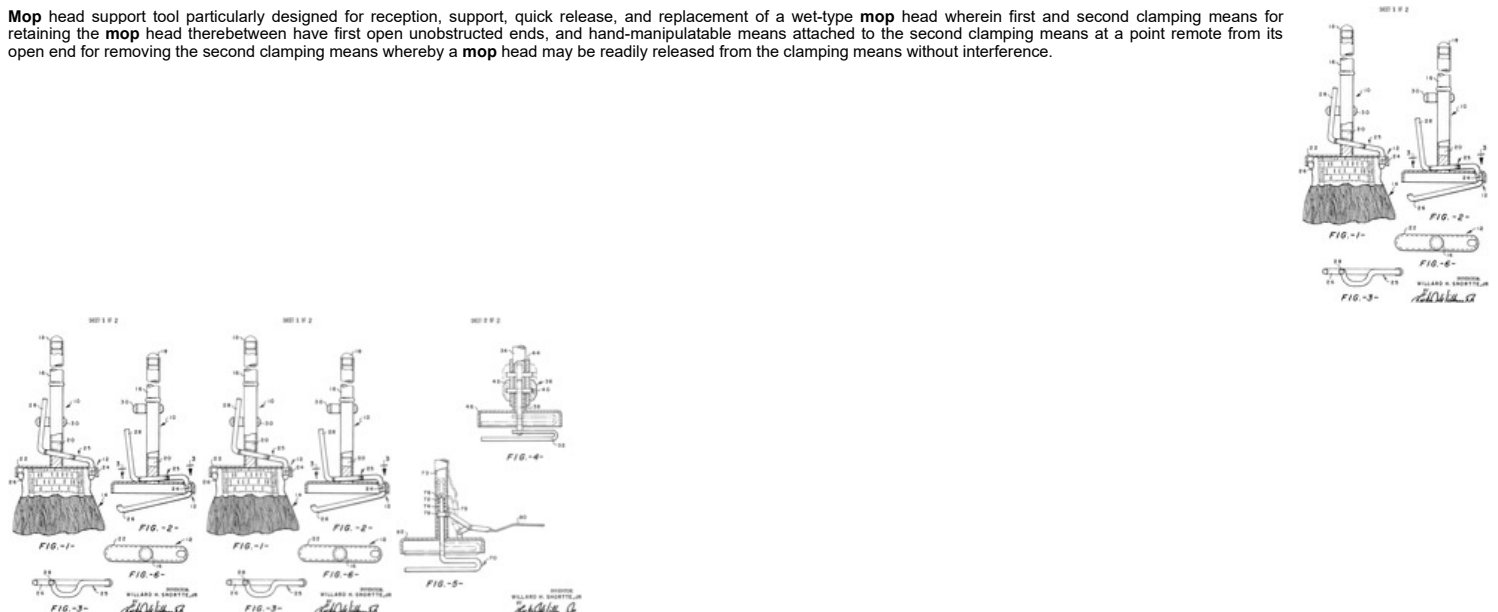
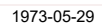


An upright bare floor cleaner (10) with a **handle** assembly (12) pivotally mounted to a base assembly. The base assembly (14) has a sweeper that includes a rotatably driven brush (110) adapted to sweep dust and dirt particles into a removable dirt receptacle. The **handle** (12) includes a water tank to store a quantity of water and a fluid distribution system that includes a heater (152) and a spray nozzle (77). Steam is generated by the heater and is distributed to a removable **mop** cloth (86) that applies the steam to the surface to be cleaned.

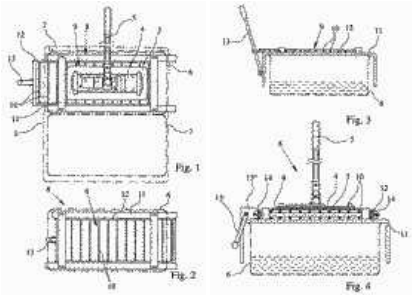
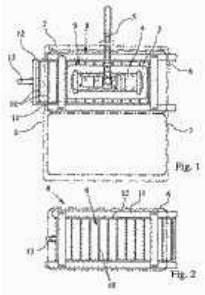


The utility model relates to an antiskid biangular **mop handle**. The antiskid biangular **mop handle** comprises a **mop handle** and two antiskid rubber inserting strips, wherein the **mop handle** and the two antiskid rubber inserting strips are connected in the way of inserting slots. In use, the antiskid rubber inserting strips are respectively inserted into the inserting slots of the **mop handle**. When a **mop** is not used and the **mop** leans on a wall, the antiskid rubber inserting strips are arranged on the upper end of the **mop**, and the contact surface and the friction force between the **mop** and a wall surface are increased, so that the **mop** does not easily slide onto the ground. Therefore, the problem that the **mop** cannot lean on the wall optionally is solved.

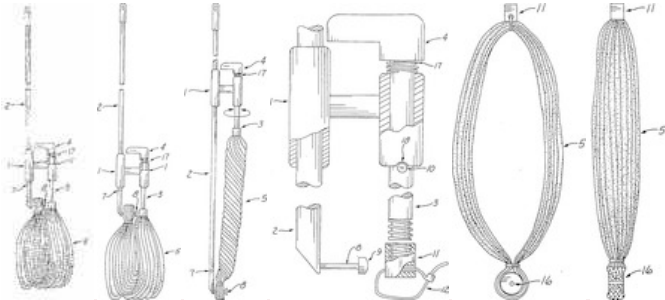
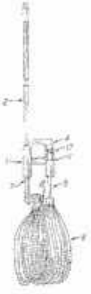




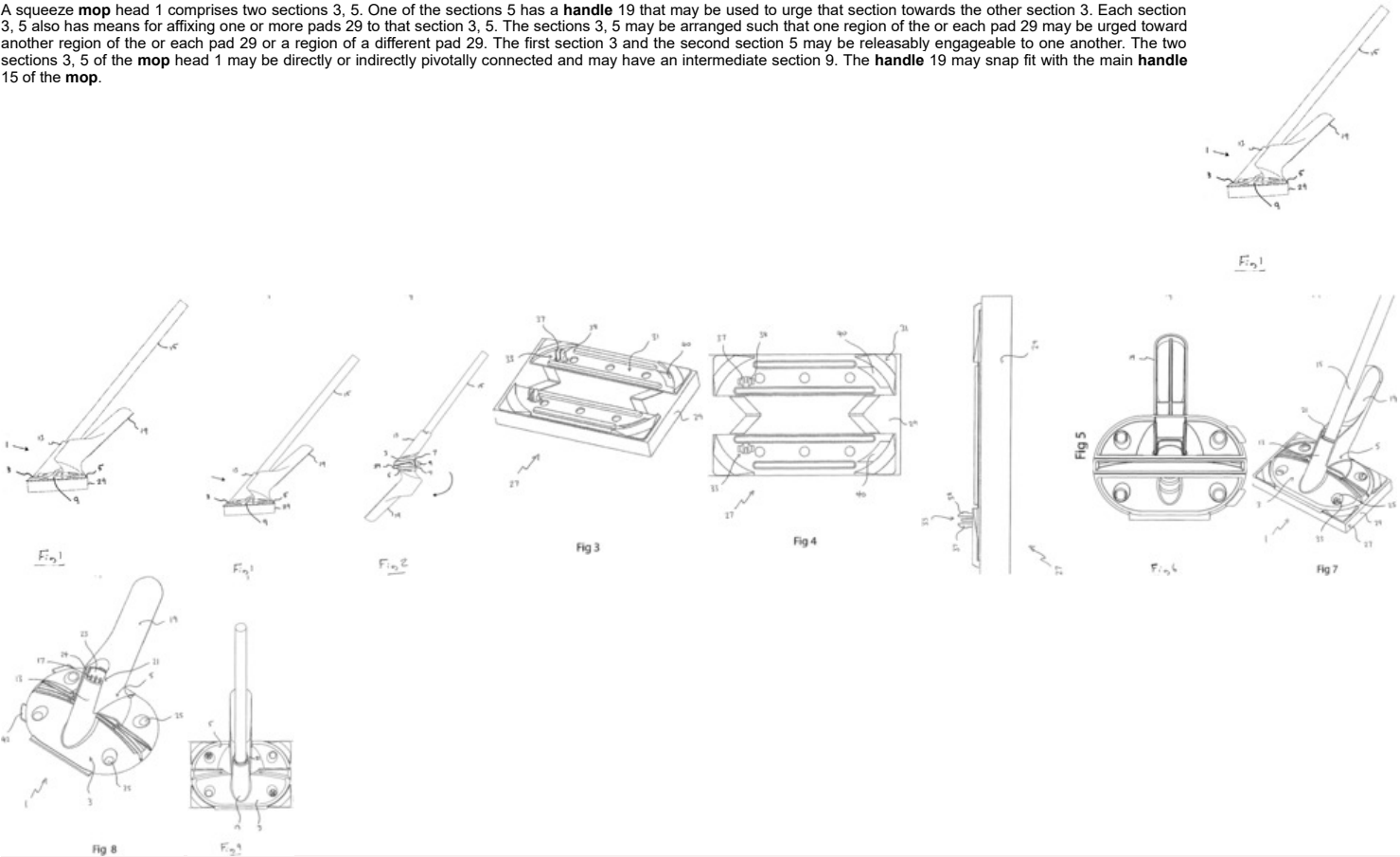
A squeezing out device according to the invention has nip roller means (17, 17') movable between an open position in which an additional part (3') of the mop cover (3) extending beyond the mop holder (4) can be inserted between the nip rolls (17, 17'), and a closed position in which the additional part (3') of the mop cover (3) will be squeezed out by pulling it through the nip rolls (17, 17') while simultaneously moving the part of the mop cover (3) mounted on the mop holder (4) under pressure over the squeeze out surface (9), and the squeeze out device is provided with a twin bucket or two buckets next to each other with one bucket (6) for the squeeze out structure (8) and the other bucket (7) for the nip roller means (17, 17').



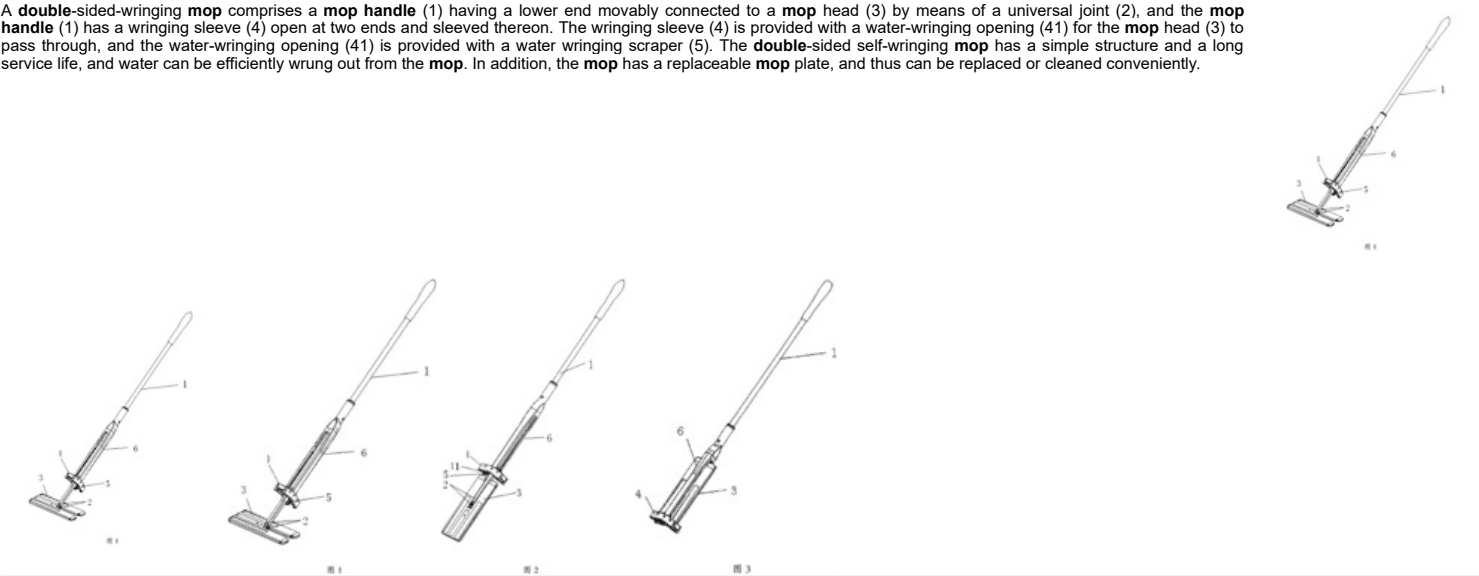
The utility model is a self-drying mop. The mop includes a handle and a H-shaped connecting frame that one end can slide longitudinally on the handle but cannot rotate horizontally. The other end of the H-shape connecting frame has a rotating arm paralleling to the handle. The end of the mop head made from coarse cotton connects with the down-end of the handle and other end connects with the down-end of the rotating arm. The mop has two basic positions: the cleaning position formed with the H-shape frame downslide and drying position formed with the H-shape frame is moved up. On the drying position, picking the rotating handle on up end of the rotating frame can dry up the mop head quickly and efficiently, even can guarantee the ideal effect when the mop head is large and difficult to dry up.



A squeeze mop head 1 comprises two sections 3, 5. One of the sections 5 has a handle 19 that may be used to urge that section towards the other section 3. Each section 3, 5 also has means for affixing one or more pads 29 to that section 3, 5. The sections 3, 5 may be arranged such that one region of the or each pad 29 may be urged toward another region of the or each pad 29 or a region of a different pad 29. The first section 3 and the second section 5 may be releasably engageable to one another. The two sections 3, 5 of the mop head 1 may be directly or indirectly pivotally connected and may have an intermediate section 9. The handle 19 may snap fit with the main handle 15 of the mop.

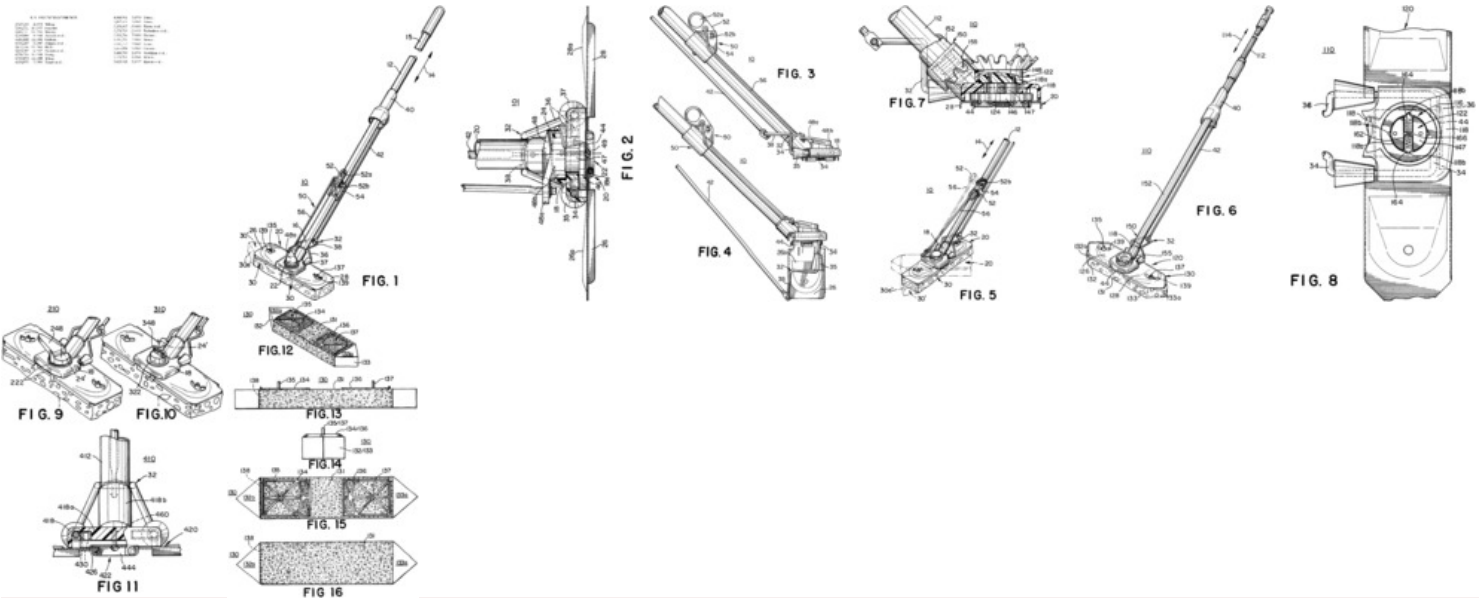


A double-sided-wringing mop comprises a mop handle (1) having a lower end movably connected to a mop head (3) by means of a universal joint (2), and the mop handle (1) has a wringing sleeve (4) open at two ends and sleeved thereon. The wringing sleeve (4) is provided with a water-wringing opening (41) for the mop head (3) to pass through, and the water-wringing opening (41) is provided with a water wringing scraper (5). The double-sided self-wringing mop has a simple structure and a long service life, and water can be efficiently wrung out from the mop. In addition, the mop has a replaceable mop plate, and thus can be replaced or cleaned conveniently.

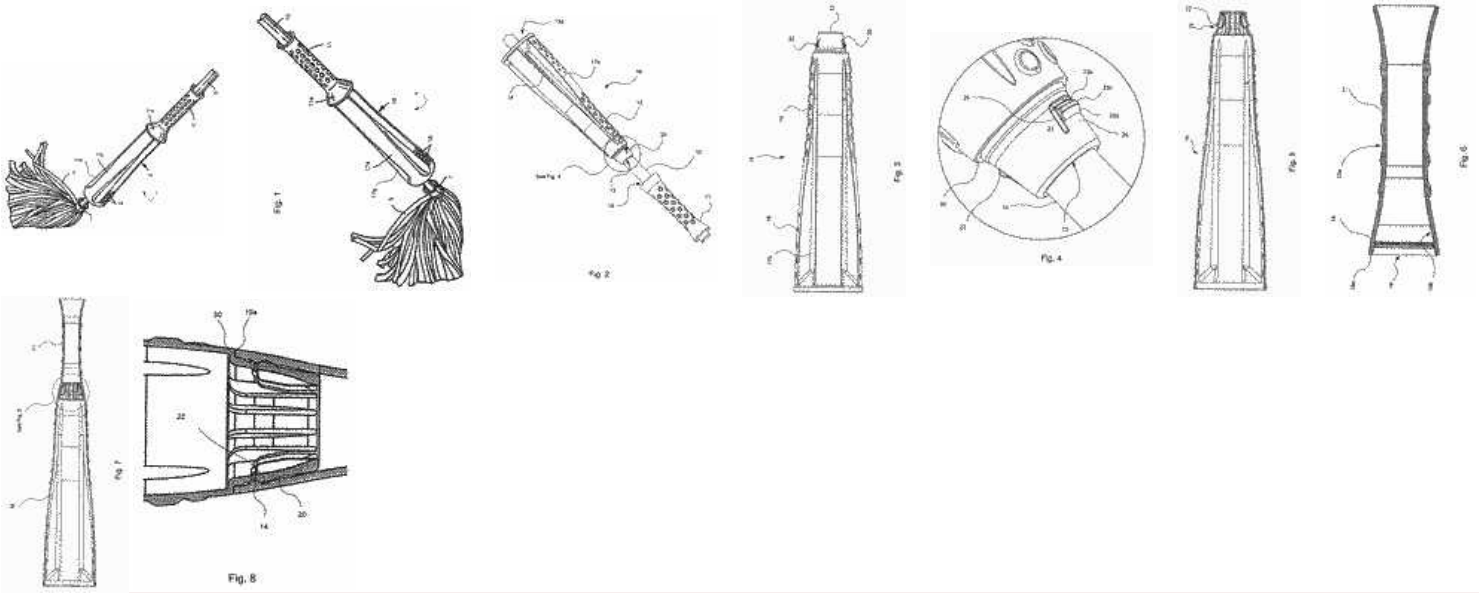


Butterfly-type wringer mops each include a **mop handle** (12) having an elongated direction (14), a receiver (18) immovably coupled to one longitudinal end (16) of the **handle** and a **mop head** (20) pivotally attached to the receiver. The **mop head** includes a central member (22) pivotally mounted to the receiver. First and second paddles (26, 28) are pivotally coupled with opposing lateral sides of the central member. The central member and paddles can receive and support an elongated absorbent element (30). The **mop** further includes a wringer (32) having one end pivotally coupled to one of the receiver and the central member so as to pivot between a retracted position and an extended position. The wringer includes a pair of spaced apart arms (34, 36) for deflecting the paddles. The **mop head** can be pivoted on the receiver at least 45 degrees and preferably 90 degrees or more from an initial position.

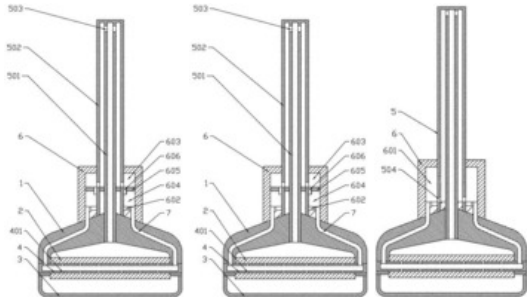
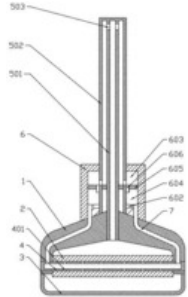
FIG. 1	FIG. 2	FIG. 3	FIG. 4	FIG. 5	FIG. 6	FIG. 7	FIG. 8	FIG. 9	FIG. 10	FIG. 11	FIG. 12	FIG. 13	FIG. 14	FIG. 15	FIG. 16
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A **mop** with a **handle** (10) includes a plurality of **mop fibers** (5) coupled to the **handle** (10). The **mop** includes a **grip** (11) mounted on the **handle** (10), and a collar (16) that is slidably positioned on the **handle** (10). The collar (16) can be secured to the **grip** (11) when not in use. The collar (16) may include one or more tabs (20) with a ramp for engagement with a ridge (14) located on the **grip** (11) that, in operation, allows for detachably coupling of the collar (16) to the **grip** (11). The ramp is configured so that it extends a sufficient distance from the tab (20) so as to cause the tab (20) to flex when the collar (16) is attached to the **grip** (11). In operation, a user can uncouple the collar (16) from the **grip** (11) and slide the collar (16) over the **mop fibers** (5) and use the collar (16) to wring the **mop fibers** (5).

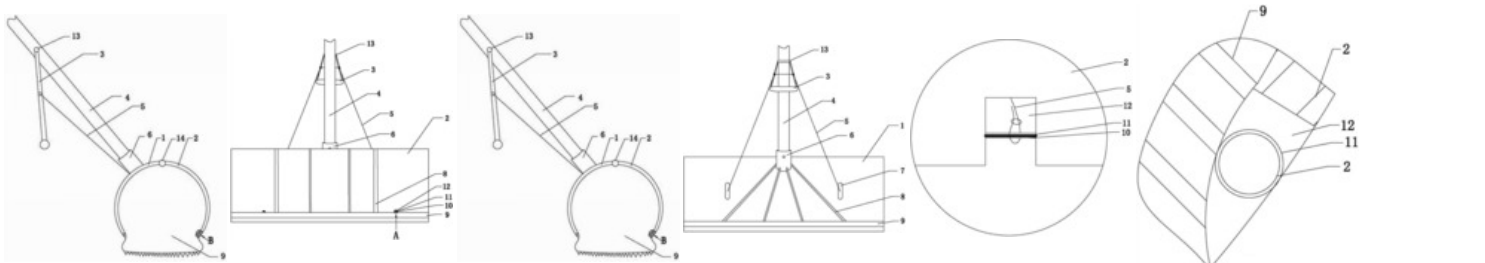
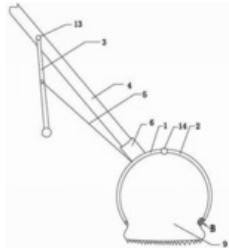


The invention relates to the field of family cleaning tools, and discloses a sterilization mop which comprises a cleaning component, a handle component and a steam component. The cleaning component comprises a U-shaped mop seat, cleaning cotton, a cleaning cotton cover and a force bearing pipe, two ends of the force bearing pipe are mounted in the mop seat, the cleaning cotton cover is fastened on the mop seat, air holes are formed in the side wall of the force bearing pipe, and the cleaning cotton wraps the force bearing pipe. The handle component comprises a mop rod mounted on the mop seat, the mop rod is a double-layer pipe, and an inner pipe of the mop rod penetrates the mop seat. The steam component is mounted on the mop seat or the mop rod and comprises a water tank, a heater and an air duct, the heater is mounted at the bottom of the water tank, and the air duct is connected with the upper portion of the water tank and the two ends of the force bearing pipe. An outer pipe of the mop rod is communicated with the water tank and the inner pipe. According to the sterilization mop, the used mop can be conveniently subjected to steam sterilization, and the total size of the mop is reduced.



77.	Novel mop	CN207323435	2017-05-10	LI KAIFENG*	2018-05-08	2018-05-08
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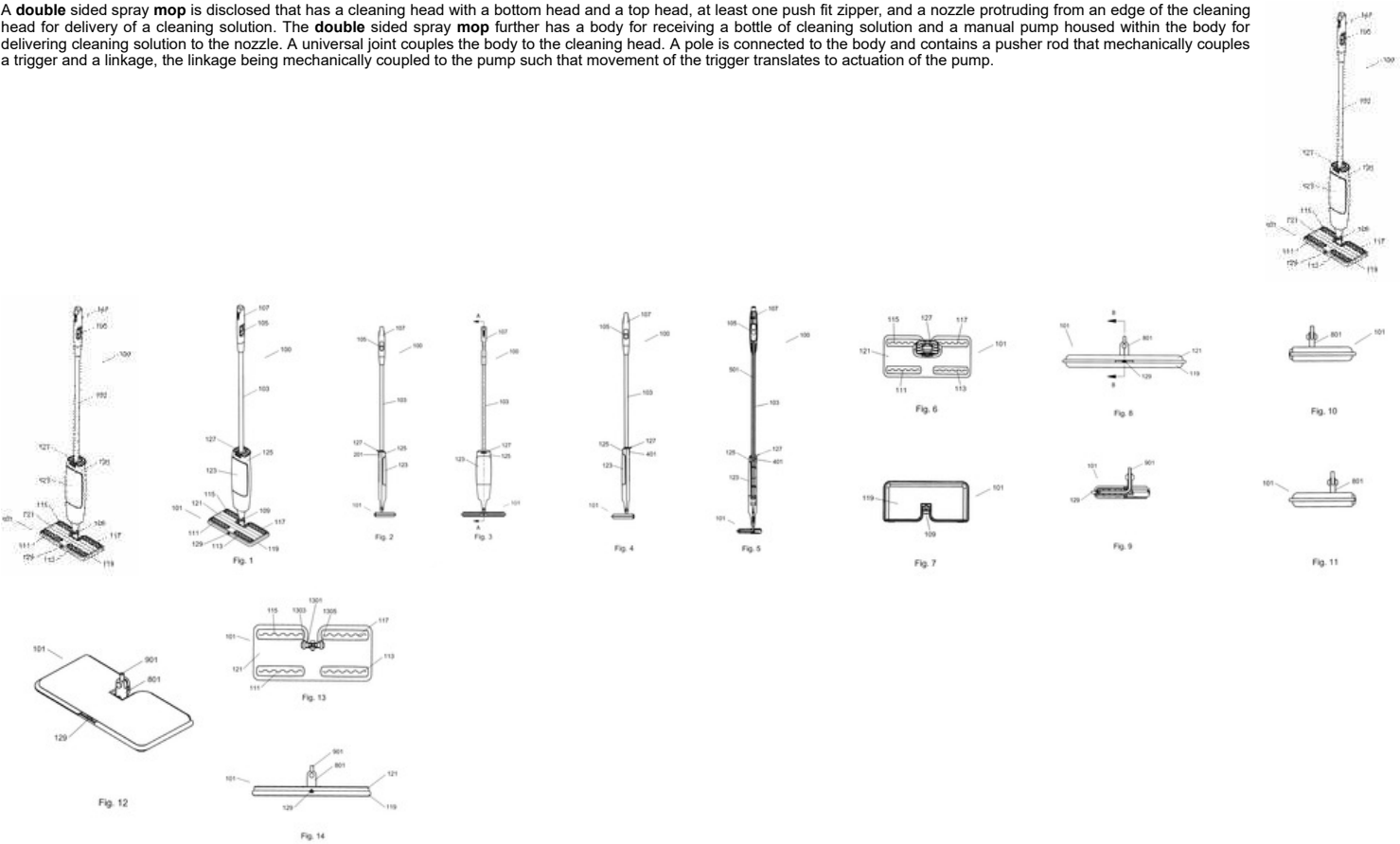
The utility model provides a novel mop, effectual solved the crowded water of present mop clean, grip uncomfortable, mop head length time use back unevenness and mop head -clamp hold the easy fractureof part and roller stick iron axle get rusty and be out of shape after be difficult for the defect problem that the roller moved, its solution is, including the mop pole, mop pole front end is connected with the fixed plate, and fixed plate one end is articulated to have a fly leaf, and fixed plate and the inboard centre gripping of fly leaf have a mop head, and the fly leaf tip is articulated tohave a steel wire, the steel wire pass the mop head with the fixed plate connection shake hands, the utility model discloses novel structure is unique, simple structure, and the reasonable in designstandard, water -squeezing effect is better, uses more comfortable convenience, more durable.



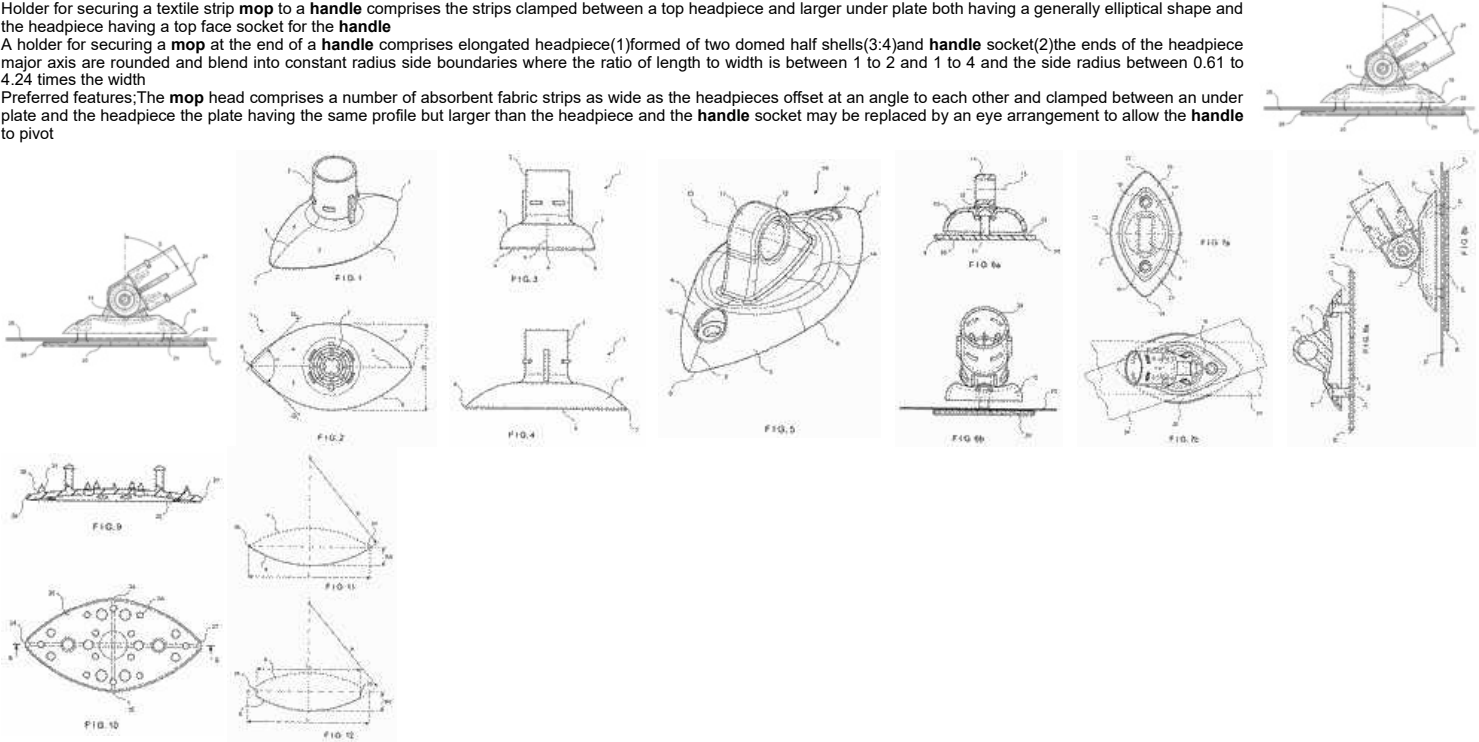
78.	Disassembly and assembly type cloth mop	CN201414764	2009-06-25	Hu Jun	2010-03-03	2010-03-03
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The present utility model provides a disassembly and assembly type cloth mop, pertaining to a cleaning apparatus. The utility model is characterized in that the mop pole is a tube or a wood pole witha constant section or a variable section, an internal sleeve or a nut with an inner screw thread hole is fixed in the inner cavity of the tube at the lower section of the mop pole, a cloth mop head isinstalled in the internal sleeve or the nut by a means of rotating, the cloth mop head mainly consists of a mop bracket, a mop pressure cover and a single-wormed screw, the mop bracket is a hemispherical shape frame having grids, the mop bracket is formed by connecting cross type semicircle framing strips at the top part and a bottom circular shape framing strip, cloth strips are suspended on thebottom circular shape framing strip, a hole is opened at the top center of the mop bracket and is fixed with the single-wormed screw, a mop pressure cover with a center hole is installed on the single-wormed screw, and then, the upper section of the single-wormed screw is correspondingly screwed to the end in the inner screw thread hole or the nut of the lower section, then a cloth mop is formed,and the mop cloth strips can be disassembled and replaced conveniently when the mop is broken.

A **double sided spray mop** is disclosed that has a cleaning head with a bottom head and a top head, at least one push fit zipper, and a nozzle protruding from an edge of the cleaning head for delivery of a cleaning solution. The **double sided spray mop** further has a body for receiving a bottle of cleaning solution and a manual pump housed within the body for delivering cleaning solution to the nozzle. A universal joint couples the body to the cleaning head. A pole is connected to the body and contains a pusher rod that mechanically couples a trigger and a linkage, the linkage being mechanically coupled to the pump such that movement of the trigger translates to actuation of the pump.



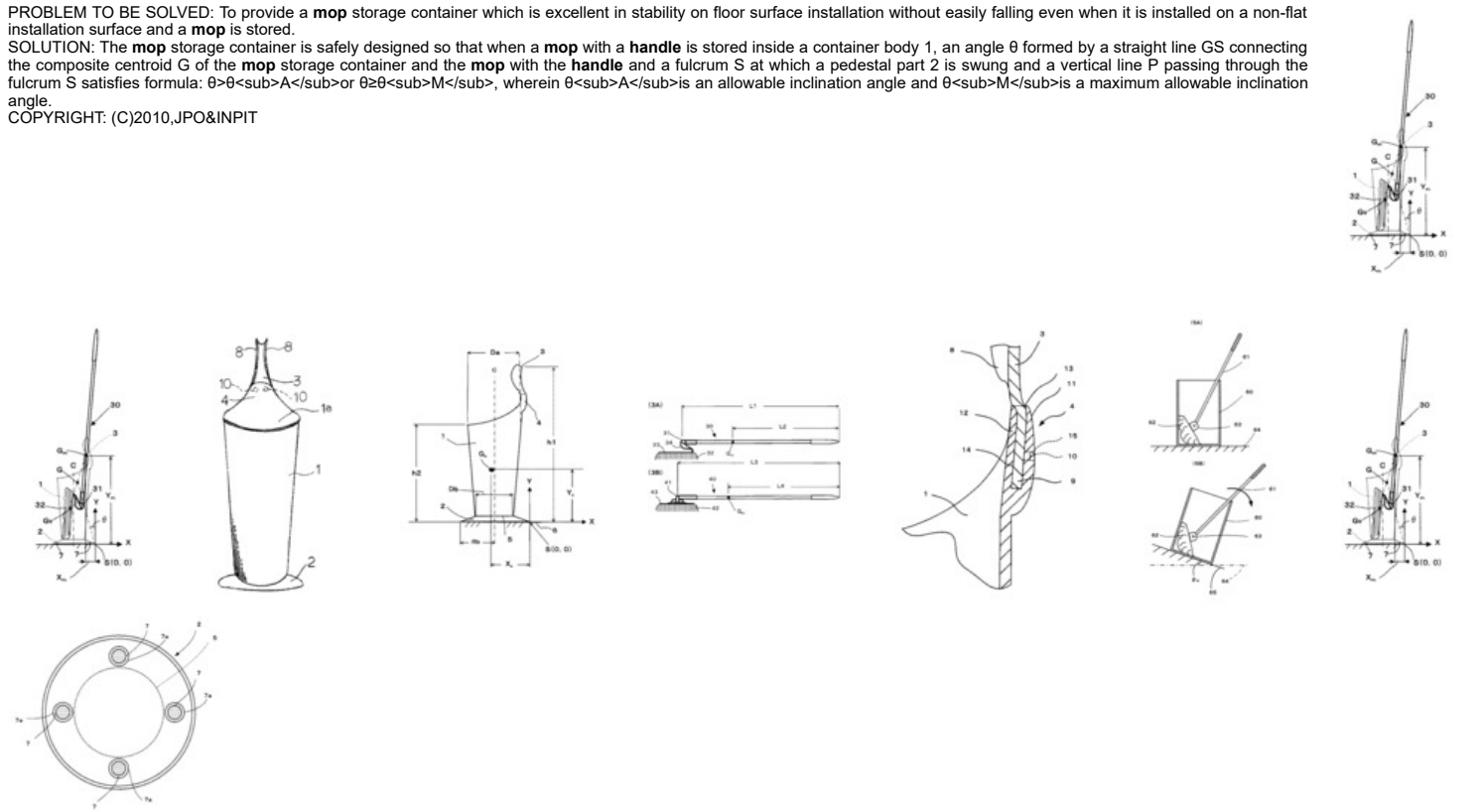
Holder for securing a textile strip mop to a handle comprises the strips clamped between a top headpiece and larger under plate both having a generally elliptical shape and the headpiece having a top face socket for the handle. A holder for securing a mop at the end of a handle comprises elongated headpiece(1)formed of two domed half shells(3,4)and handle socket(2)the ends of the headpiece major axis are rounded and blend into constant radius side boundaries where the ratio of length to width is between 1 to 2 and 1 to 4 and the side radius between 0.61 to 4.24 times the width Preferred features:The mop head comprises a number of absorbent fabric strips as wide as the headpieces offset at an angle to each other and clamped between an under plate and the headpiece the plate having the same profile but larger than the headpiece and the handle socket may be replaced by an eye arrangement to allow the handle to pivot



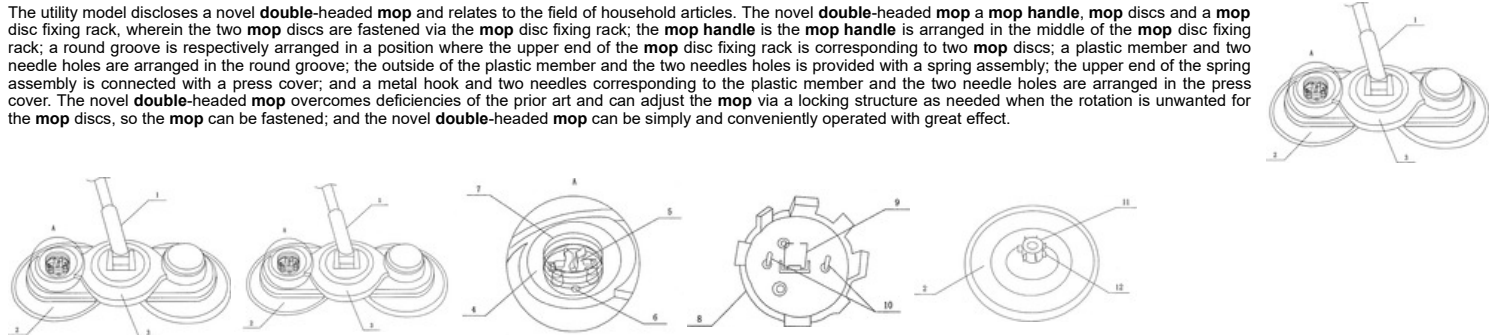
PROBLEM TO BE SOLVED: To provide a **mop** storage container which is excellent in stability on floor surface installation without easily falling even when it is installed on a non-flat installation surface and a **mop** is stored.

SOLUTION: The **mop** storage container is safely designed so that when a **mop** with a **handle** is stored inside a container body 1, an angle θ formed by a straight line GS connecting the composite centroid G of the **mop** storage container and the **mop** with the **handle** and a fulcrum S at which a pedestal part 2 is swung and a vertical line P passing through the fulcrum S satisfies formula: $\theta > \theta_{sub>A</sub>}$ or $\theta \geq \theta_{sub>M</sub>}$, wherein $\theta_{sub>A</sub>}$ is an allowable inclination angle and $\theta_{sub>M</sub>}$ is a maximum allowable inclination angle.

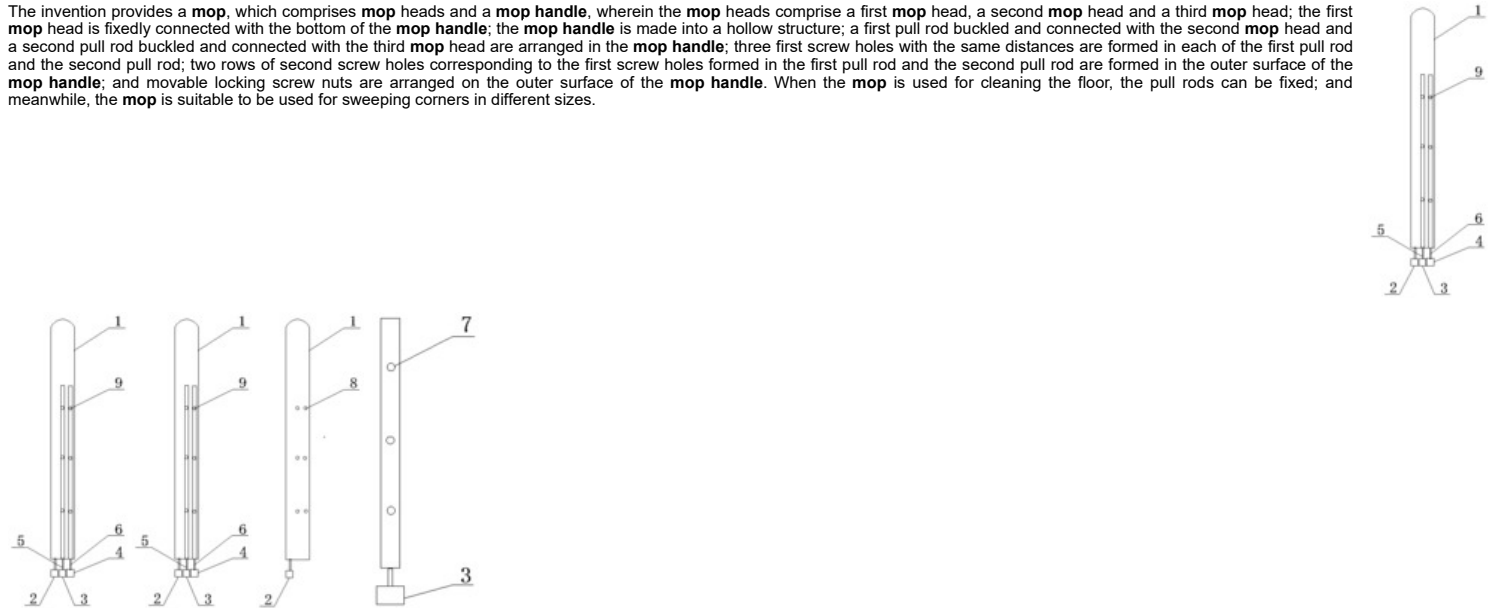
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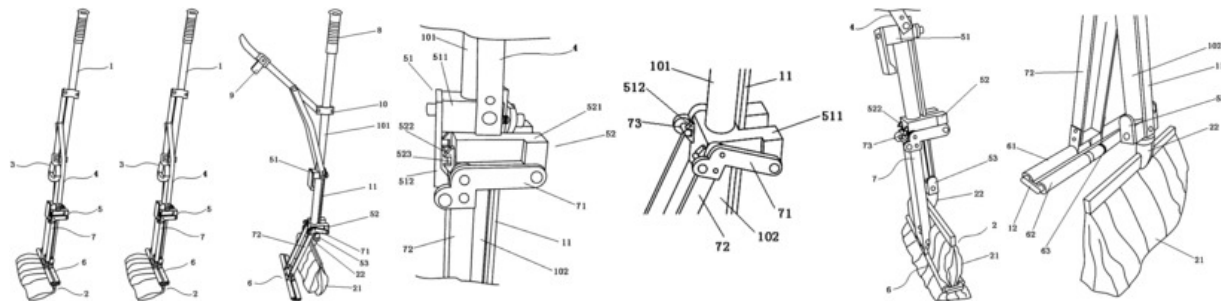
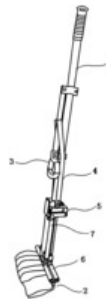
The utility model discloses a novel **double-headed mop** and relates to the field of household articles. The novel **double-headed mop** a **mop handle**, **mop** discs and a **mop** disc fixing rack, wherein the two **mop** discs are fastened via the **mop** disc fixing rack; the **mop handle** is the **mop handle** is arranged in the middle of the **mop** disc fixing rack; a round groove is respectively arranged in a position where the upper end of the **mop** disc fixing rack is corresponding to two **mop** discs; a plastic member and two needle holes are arranged in the round groove; the outside of the plastic member and the two needles holes is provided with a spring assembly; the upper end of the spring assembly is connected with a press cover; and a metal hook and two needles corresponding to the plastic member and the two needle holes are arranged in the press cover. The novel **double-headed mop** overcomes deficiencies of the prior art and can adjust the **mop** via a locking structure as needed when the rotation is unwanted for the **mop** discs, so the **mop** can be fastened; and the novel **double-headed mop** can be simply and conveniently operated with great effect.



The invention provides a **mop**, which comprises **mop** heads and a **mop handle**, wherein the **mop** heads comprise a first **mop** head, a second **mop** head and a third **mop** head; the first **mop** head is fixedly connected with the bottom of the **mop handle**; the **mop handle** is made into a hollow structure; a first pull rod buckled and connected with the second **mop** head and a second pull rod buckled and connected with the third **mop** head are arranged in the **mop handle**; three first screw holes with the same distances are formed in each of the first pull rod and the second pull rod; two rows of second screw holes corresponding to the first screw holes formed in the first pull rod and the second pull rod are formed in the outer surface of the **mop handle**; and movable locking screw nuts are arranged on the outer surface of the **mop handle**. When the **mop** is used for cleaning the floor, the pull rods can be fixed; and meanwhile, the **mop** is suitable to be used for sweeping corners in different sizes.

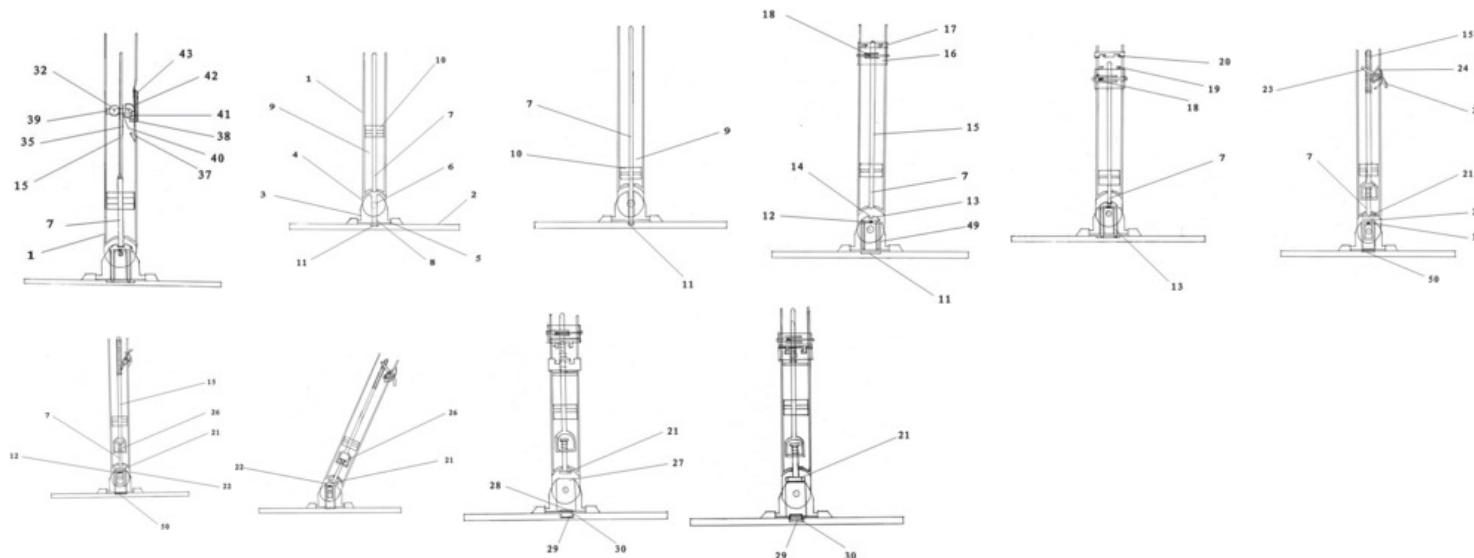
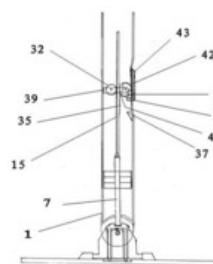


The utility model discloses a novel extrusion formula mop, including mopstick and mop head, the mopstick is scalable movable handle, and the mopstick includes fixed handle and flexible handle, and flexible sleeve is established in fixed handle, the mop head is installed in flexible handle bottom, the swab is installed to the mop head, and its characterized in that still includes handle, pull rod, positioning mechanism and extrusion mechanism, positioning mechanism installs on the mopstick, but extrusion mechanism is connected with positioning mechanism through the swing joint pole, extrusion mechanism is equipped with the press section of extrusion swab, mop head card is gone into in the press section, the handle one end pass through the mounting with fixed handle connects, the lower extreme and the positioning mechanism of pull rod are connected, the upper end of pull rod with the middle section axle of handle links to each other. The utility model discloses an extrusion mechanism, the moisture that extrusion process just can make the swab pushes very totally, mechanism structure is simple in the extrusion, can use for a long time.

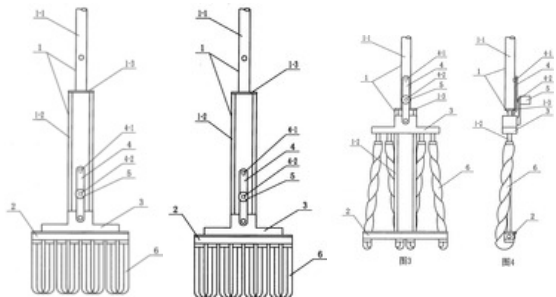
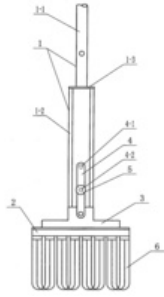


87. Mop pole device of standing CN206044561 2016-07-03 CHENG HAOPENG* 2017-03-29 2017-03-29

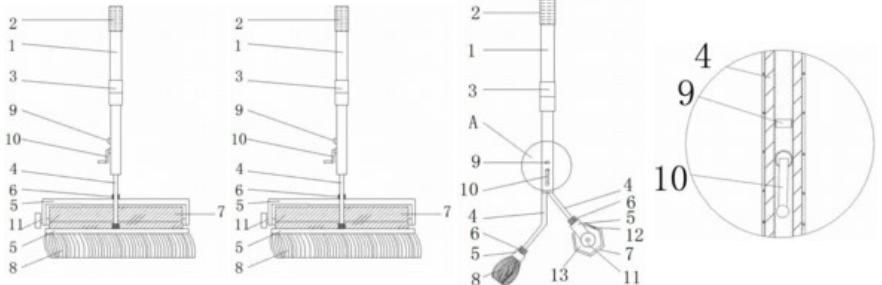
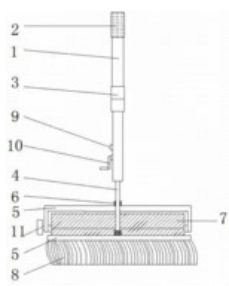
The utility model provides a mop pole device of standing, can let autonomic the standing of mop pole, the problem of current mop pole rely on other objects and easy landing when placing is solved, he include the planker and with the first moving part of planker articulated and with first moving part articulated second moving part, wherein, first moving part is perpendicular with first moving part and second moving part articulated axis with base articulated axis, the second moving part fuses with the mop pole, be equipped with the slide that pierces through second moving part lower extreme in the second moving part, the directional first moving part of slide lower extreme export, be equipped with the slide in the first moving part, a slide block is arranged inside the slideway, when need let the mop pole stand, the bracing piece gliding is pressed to the slider and in inserting the slot of slider upper end, slot on the lower extreme stretches out first moving part and inserts the planker behind the slider pressurized, thereby the articulated shaft is lived in the locking makes the mop pole stand, this device still is equipped with hand switch, convenient implementation and operation.



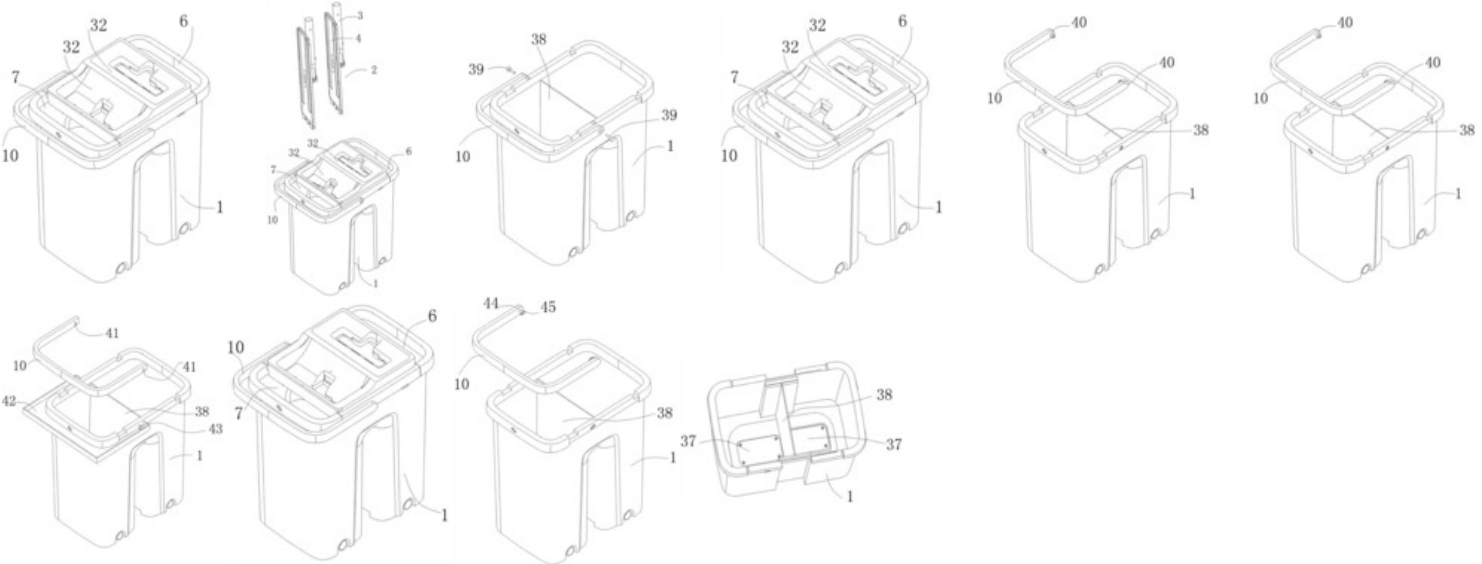
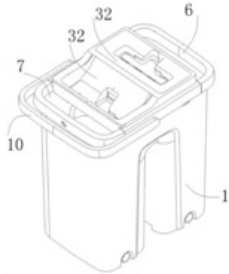
The invention discloses a wide transverse rod type dehydrating mop which is characterized in that a mop rod is formed by fixedly connecting a thicker upper mop rod and a lower mop rod, wherein the lower mop rod is formed by connecting two parallel small round rods through a connecting plate; a raised upper transverse rod box is arranged above a lower transverse rod, and a transmission mechanism is arranged in the upper transverse rod box; the upper transverse rod box is sleeved on the two small round rods of the lower mop rod and can move up and down; the two small round rods pass through the upper transverse rod box and are fixedly connected with the lower transverse rod in a dismantlable way; the mop cloth made of cloth strips or fiber ropes is divided into 4-8 groups; one end of each group of mop cloth is fixedly connected with a suspension loop arranged on the lower transverse rod, and the other end is fixedly connected with a small rotating shaft which extends out of the lower part of the upper transverse rod box; and in addition, an elastic positioning piece and a crank capable of driving the small rotating shaft which extends out of the lower end of the upper transverse rod box to rotate are arranged on the upper transverse rod box. The mop adopting the structure can form ideal covering width and can be dehydrated easily, so that the mop can realize high mopping efficiency and good cleaning effect after being dehydrated. The mop can be dehydrated and aired easily and is durable in use.



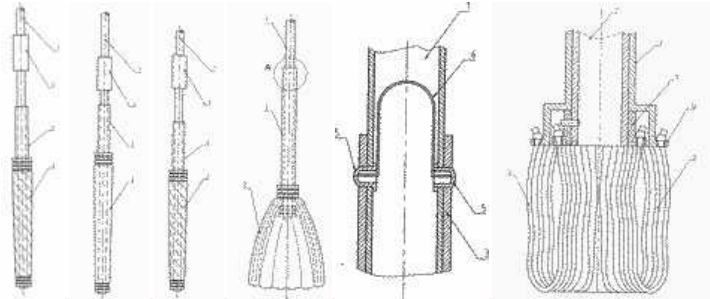
A so-called wet-dry dual-head mop, comprising a mop rod, retaining nut, cotton, cotton rope and hexagonal roller; cross bar attached to the inner base of hexagonal roller shaft; fixedly attached to the cross bar of cotton string; the present utility model is provided of the mop head, mop head is one of hexagonal roller, one side thereof provided with an adjustment knob, an adjustable knob hex roller to rotate, so that it can be performed using a six-sided, i.e. one cleaning is performed on cotton this design can be used multiple times, saves water resources and labor of the user, this can realize a double-headed wet and dry mop is provided with two mop head, one is a cotton string mop, the mop cloths are rotatable on the other one, two mop head performs a flushing, used in turn, reduces the number of times that the user flush mop; dry and wet classification can be performed, using one when dry mops, wet mops using one; retaining nut is threaded onto the two mops are up, convenient disassembly, is convenient to use.



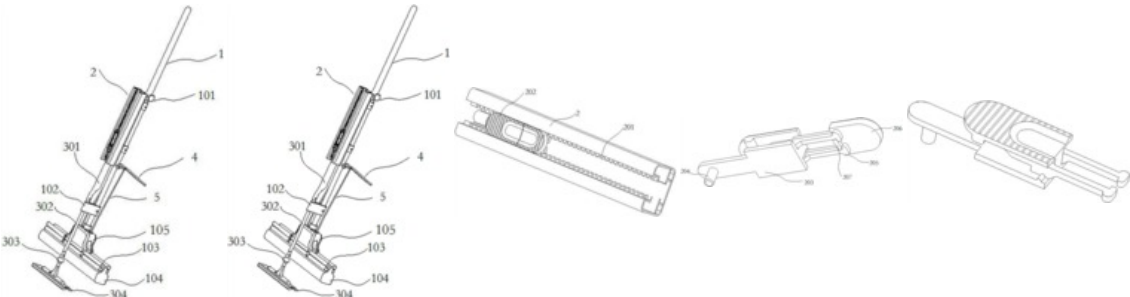
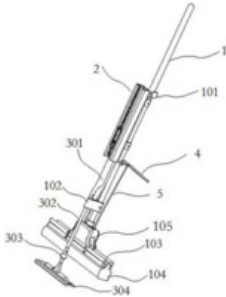
Take dull and stereotyped mop burnisher of extrusion of handle, including mop bucket and dull and stereotyped mop, dull and stereotyped mop includes mop pole and the swing joint dull and stereotyped mop head on the mop pole, the overhead swab that is equipped with of dull and stereotyped mop, the mop bucket has independent crowded pool and independent washing district, and it has the handle to goback swing joint on the mop bucket, and this handle swing joint washing district one side at the mop bucket, on smoothing out with the fingers that the board is rotatable and locating the mop bucket,the rotation of smoothing out with the fingers the board can change extruding opening's size. When mentioning the mop bucket, because with handle swing joint washing district one side at the mop bucket for the mop bucket can reach the balance of crowding the pool and wasing the weight in district when being mentioned, the rotation of smoothing out with the fingers the board in addition can changeextruding opening's size for it produces great, suitable extrusion force to the swab to smooth out with the fingers the board when dull and stereotyped mop head pushes down, the dull and stereotyped mop bucket is mentioned when stopping upwards to mention dull and stereotyped mop when drawing the phenomenon that the mop is overhead.



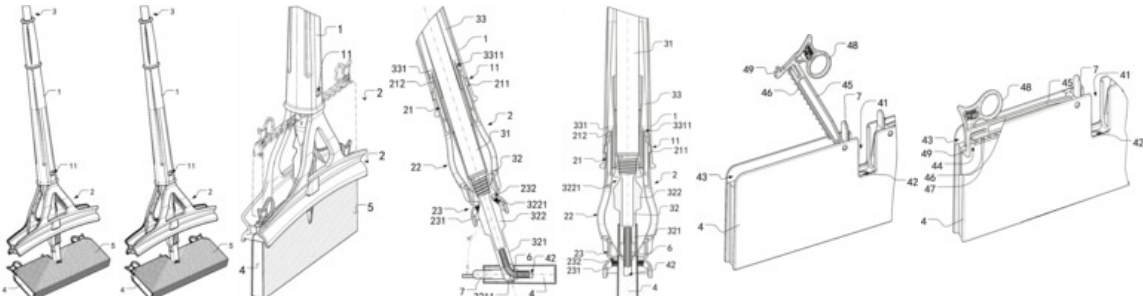
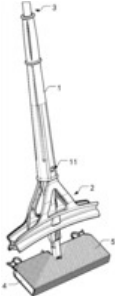
The utility model discloses a water-wringing mop comprising a mop rod, a plurality of mop strips and a water-wringing sleeve. One end of the mop strip is fixed on the lower part of the mop rod. The water-wringing sleeve is installed on the lower part of the mop rod. The inner bore of the mop strip matches the outer diameter of the mop rod. The other end of the mop strip is fixed on the lower end of the water-wringing sleeve. The mop rod of the water-wringing mop of the utility model can be pushed to the lowest end and all the mop strips are stretched when water needs to be wrung out of the mop; afterwards, the mop rod and the water-wringing sleeve rotate in opposite direction; and the mop strips are twined round the mop rod like the shape of twist of dough to wiping the water, therefore, users do not need to wring water out of the mop by hands, thus preventing hands from getting dirty and wet.



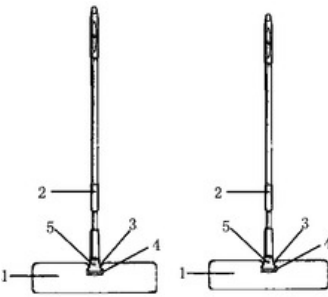
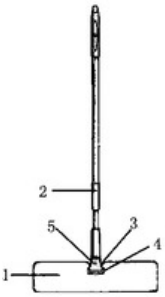
The utility model discloses a take **double** -purpose sponge mop of glass brush belongs to burnisher technical field, and it all is components of a whole that can function independently designs to have solved among the prior art **mop** and glass brush, has function singleness, not enough, the inconvenient scheduling problem of storing in a warehouse of clean dynamics. The utility model discloses a **mop handle**, **mop head**, link means, slider, glass brush holder and the glass brush body, **mop handle**, **mop head** and link means constitute sponge mop body, and slider is located the **mop handle**, glass brush holder one end and glass brush body coupling, and the other end passes through slider and **mop handle** swing joint, and the glass brush holder passes through slider can be along the axial direction reciprocating motion of **mop handle**, the utility model discloses a **mop** and the perfect combination that glass brushed combine function between them, have simple structure, reasonable in design, convenient to use's advantage.



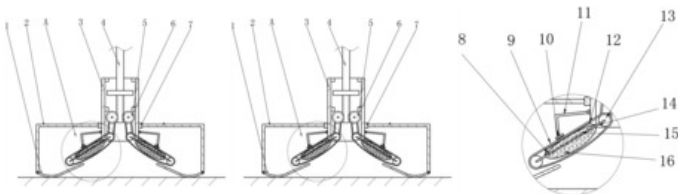
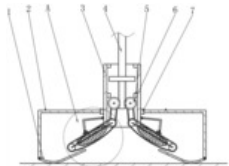
The invention discloses a detachable water squeezing mop. The detachable water squeezing mop comprises a shell, a long handle assembly, a water squeezing device, a flat plate and cleaning cloth, wherein the long handle assembly is connected to the shell in a sleeved mode and can move back and forth relative to the shell; the water squeezing device is assembled at the front end of the shell; the flat plate is hinged to the front end of the long handle assembly, and the flat plate can be driven by the long handle assembly to extend out of or enter the water squeezing device; the surface of the flat plate is covered with the cleaning cloth; the flat plate comprises a locking mechanism, and the connection edges of the cleaning cloth are locked through a locking mechanism. According to the overall structure of the water squeezing mop, the cleaning cloth can be quickly, easily and firmly fixed to the flat plate of the mop through the locking mechanism, and the cleaning cloth is convenient to replace; by means of relations of clamping connection, sleeving connection and hinging of the components, assembling and disassembling are convenient; by means of a spring, an included angle between a long handle and the flat plate is adjusted in real time, and floor mopping is convenient; by means of resetting of the spring, a rapid water squeezing function is achieved.



The invention provides a **double**-faced mop which comprises a mop head and a holding rod. The **double**-faced mop is characterized in that a U-shaped notch is formed in the middle of the mop head, a set of symmetrical circular holes are formed in the notch, a T-shaped steel shaft is mounted on the tail portion of the holding rod, the protruding portion of the T-shaped steel shaft is arranged in the circular holes of the U-shaped notch in a sleeved mode, and the T-shaped steel shaft can rotate freely. By the adoption of the **double**-faced mop, the area of single-time cleaning can be enlarged, cleaning efficiency is improved, and forms can be changed to clean different sanitation dead corners.



The invention belongs to the field of **mop** tools, and specifically discloses a water-saving **mop**. The **mop** comprises a **mop** rod, a **mop** head and a connecting sleeve, wherein the **mop** rod and the connecting sleeve are integrally formed, and the **mop** head comprises two swing mopping devices which are symmetrical about the central axis of the connecting sleeve; each swing mopping device comprises a fixed shaft, a fixed plate, an upper water storing sponge, a lower water storing sponge and a pressure bearing plate with an arch section, the fixed shaft is fixed on the side surface of the connecting sleeve, and the fixed plate is rotatably connected to the fixed shaft; a plurality of limber holes are arranged on the fixed plate, the upper water storing sponge is fixed above the fixed plate, and both ends of the pressure bearing plate are fixed at both ends of the fixed plate; the side surface of the connecting sleeve is hinged with a pressing part for pressing the pressure bearing plate, and the side surface of the connecting sleeve is fixedly connected with a block for making the pressing part stop rotating; the pressure bearing plate is located under the pressing part, and the upper water storing sponge is located between the pressure bearing plate and the fixed plate. The water-saving **mop** solves the problems that the existing mops have large water consumption and are not good for water saving.



The utility model discloses a **double-wing folding mop**, which is composed of a telescopic **mop** rod, a connecting head component, a **mop** plate, and a **mop** cloth. The **mop** plate is a pair of **mop** plates which are connected into integration by a connecting head component, and are turned over downwards 90 degrees; the connecting head component is composed of a pair of **mop** plate connecting seats which are inserted into a notch of the **mop** plate side wall and the inserting axis hole, a connecting card which assembles the above into integration, a protective cover shell which is covered on the component, the bottom can contact with the **mop** plane by a roller, the cover body can slide 180 degrees along the sliding path in the component, the cover top is connected with the bottom end of the **mop** rod. A hand control mechanism which turns over the **mop** plate surface of the **mop** downwards 90 degrees; the mechanism is composed of a **handle** of the **mop** rod, two pulling strips whose upper end forms rotary connection with the **handle**, which passes through an upper notch of the protective cover shell, the lower end forms rotary connection with both ends of the connecting seat and the connecting card component. The outstanding advantages are that: the **mop** can squeeze water from the **mop** head automatically, adjust rod length or replace the **mop** rod according to the requirement, and the **mop** is convenient to use and operate.



The invention relates to a laterally rotating type **double-sized flat plate mop**. A base plate made of hard solid material is arranged, the base plate is of the shape of a square plate, **mop** surfaces made of sponge or water-absorbent fibers are respectively bonded on the two surfaces of the base plate, and a through circular hole is formed in the middle part, corresponding to the two sides, of the base plate. A **mop handle** made of a hard solid material is arranged and the **mop handle** is of the shape of a circular rod. A penetrating shaft is arranged at the front end of the **mop handle** in a bending manner, the penetrating shaft is of the shape of a circular rod and the diameter of the penetrating shaft is smaller than the diameter of the **mop handle**; a thread is arranged at the top end of the penetrating shaft, the penetrating shaft longitudinally penetrates through the circular hole in the base plate and the penetrating shaft is limited and fixed by using a nut. During use, the base plate is rotated and the two **mop** surfaces can be alternately used. Therefore, the cleaning times are reduced.

