

1) Family number: 54019179 (USD746008S)

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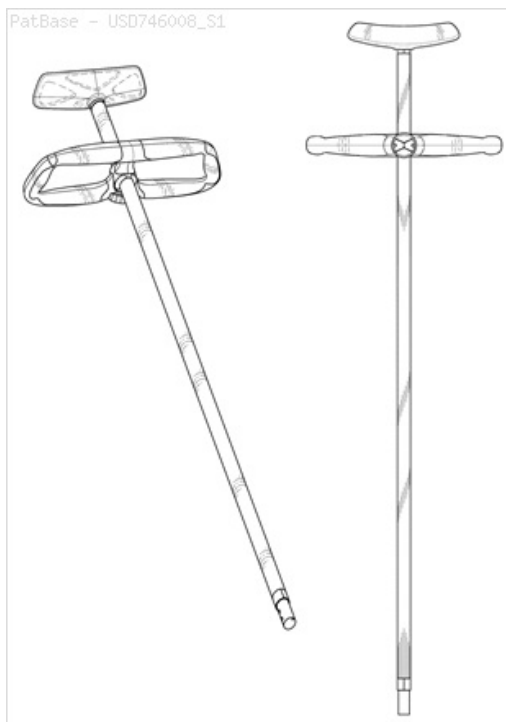
Title: MOP HANDLE

Abstract: Source: CN302421181S **Machine translation:** 1. This design product name: handle. 2. This design uses for the product: This product can be used with a mop or a combination of construction machinery, used as a handle assembly. 3. The design features of the product design: The design is the shape of the product. 4. The best indicator of design elements picture: three-dimensional diagram. 5. Right view and left view of the product design symmetry, it omitted the right view.

Classifications:

US: D32/50

Locarno class: 04/01 08/06



Family:

Publication number	Publication date	Application number	Application date
CN302421181 S	20130501	CN201230471813F	20120929
IN247956 S	20130607	IN20120247956F	20120917
USD746008 S1	20151222	US20120433742F	20121004

Priority:

EM20122020644F 20120404

Probable Assignee: AHLSTROM AND PARTNERS AB

Assignee(s): (std): AHLSTROM AND PARTNERS AB

Inventor(s): (std): VAN LEER JOHN ; AHLSTROM JOHN PATRIK

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

2) Family number: 42869302 (US2009025169A)

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Title: DUST MOP WITH MULTIPLE HANDLE HOLDERS

Abstract: The dust mop with multiple handle holders is a dust mop having a handle, a dust mop frame, and a dust mop head. The frame has multiple handle holders, including a central handle holder in the center of the frame and another handle holder at one or both ends of the frame so that the handle can be attached to the central handle holder for general use, and may optionally be attached to a handle holder at the end of the frame to dust under objects raised above the floor and in areas too narrow to accommodate a conventional dust mop. The dust mop head is a fabric cover supported on the frame, and has an opening through which the handle can be connected to the handle holders. The handle may have a quick connect, clip-type fitting at one end for attachment to the handle holder.

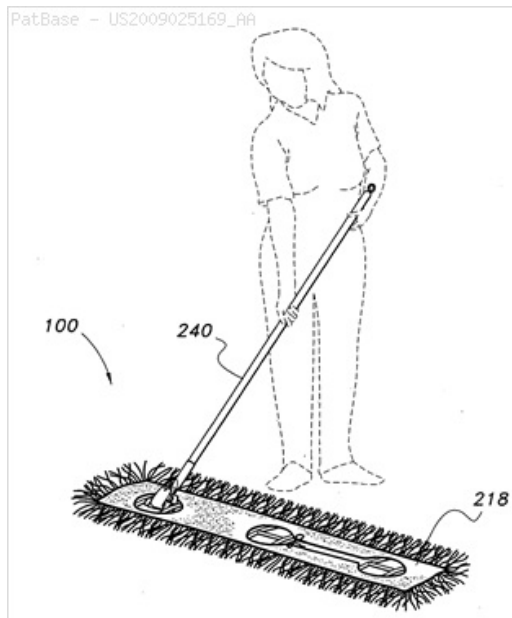
Classifications:

International (IPC 8-9): A47L13/20 A47L13/252 (Advanced/Invention); A47L13/20 (Core/Invention)

CPC: A47L13/24 B25G3/06 B25G3/24 B25G3/38

European: A47L13/24 B25G3/06 B25G3/24 B25G3/38

US: 15/144.1 15/144.2 15/145 15/147.2 15/229.6 15/229.600P 15/229.8

**Family:**

Publication number	Publication date	Application number	Application date
US2009025169 AA	20090129	US20080219293	20080718
US7870634 BB	20110118	US20080219293	20080718

Priority:

US20070935088P 20070725 US20080219293 20080718

Probable Assignee: WARNING BRIAN D

Assignee(s): (std): WARNING BRIAN D ; WARNING MARGARET J

Inventor(s): (std): WARNING MARGARET J ; WARNING BRIAN D

Agent(s): LITMAN LAW OFFICES LTD; RICHARD C

3) Family number: 30546319 (US2004083579A)

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Title: DUAL HANDLE ATTACHMENT FOR AN APPLIANCE

Abstract: A dual handle attachment for a floor appliance, e.g., vacuum cleaner, large push broom, mop, squeegee, etc., allows a user of the appliance to manipulate or maneuver the appliance using generally symmetrical upper body, arm, wrist, and hand forces and movements, thereby obviating the need for asymmetrical twisting and the greater strength required to manipulate such a device using only a single arm and hand. The present attachment comprises a single central bracket which attaches to the conventional single handlebar of such an appliance, with a left and a right handgrip adjustably extending from the central bracket. The two handgrips may be pivotally adjusted by the user as desired, and may be interchanged for handgrips having different shapes or configurations as desired. One embodiment may be removably secured to the appliance, with another embodiment providing for permanent attachment as an integral part of the appliance at the time of manufacture.

Classifications:

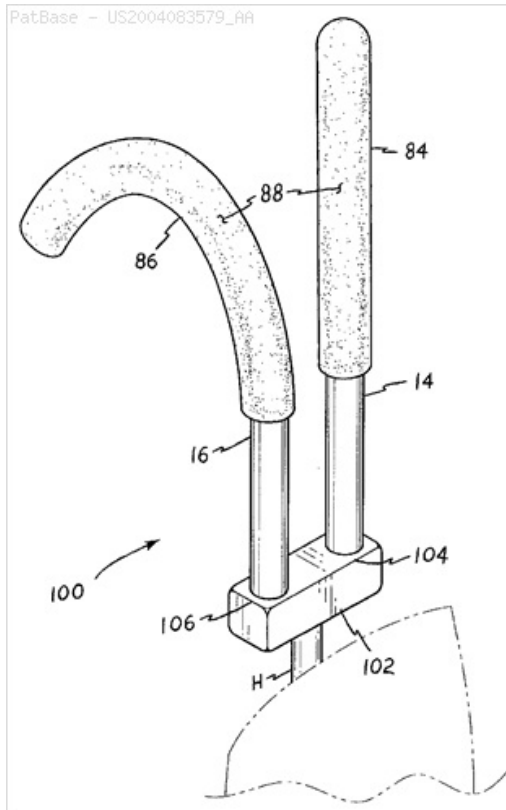
International (IPC 8-9): A47L11/40 A47L9/32 (Advanced/Invention);
A47L11/00 A47L9/32 (Core/Invention)

International (IPC 1-7): A47L11/40 A47L9/32 B62B1/00 E05B7/00

CPC: Y10T16/466 Y10T16/476 Y10T16/50 A47L9/325

European: A47L9/32C

US: 16/421 16/430 16/438 164/300

**Family:**

Publication number	Publication date	Application number	Application date
CA2448283 AA	20040505	CA20032448283	20031105
CA2448283 C	20061003	CA20032448283	20031105
US2004083579 AA	20040506	US20020287479	20021105
US6742222 BB	20040601	US20020287479	20021105

Priority:

US20020287479 20021105 CA20032448283 20031105

Probable Assignee: BRITT GROVER A JR

Assignee(s): (std): BRITT GROVER A JR ; FURR BRITT TONJA L

Assignee(s): FURR BRITT TONJA LP.O. BOX 894ROCKWELLNC28138US ; BRITT GROVER A JRP.O. BOX 902RICHFIELDNC28137US ; BRITT JR GROVER A ; BRITT GROVER A

Inventor(s): (std): BRITT GROVER A ; BRITT GROVER A JR ; BRITT JR GROVER A ; FURR BRITT TONJA L

Inventor(s): FURR BRITT TONJA LP.O. BOX 894ROCKWELLNC28138US ; BRITT GROVER A JRP.O. BOX 902RICHFIELDNC28137US

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FURMAN IP LAW AND STRATEGY PC

4) Family number: 22730351 (US3041648A)

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Title: MOP HOLDER HAVING AN ADJUSTABLE HANDLE

Abstract: (Claim 1) t -, Fig. 3 is an enlarged cross sectional view taken on a line 3-3, F,IG.

Classifications:

International (IPC 8-9): A47L13/24 B25G3/38 (Advanced/Invention);

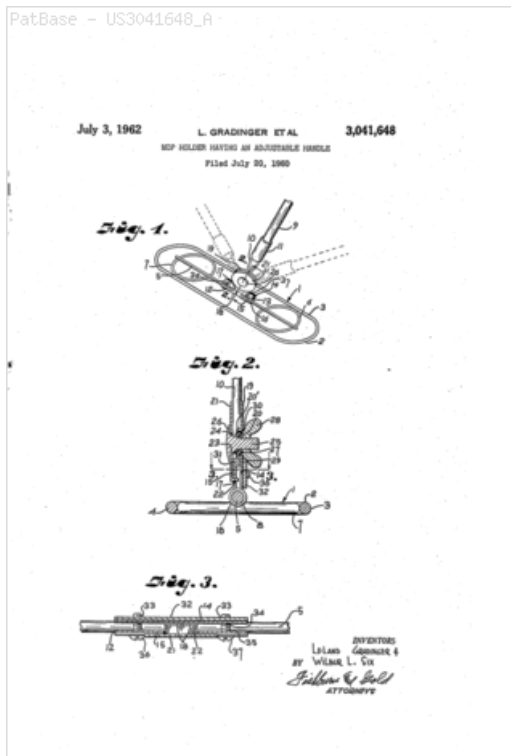
A47L13/20 B25G3/00 (Core/Invention)

International (IPC 1-7): A47L13/42

CPC: B25G3/38 A47L13/24 Y10T403/32286

European: A47L13/24 B25G3/38

US: 15/147.2 403/87

**Family:**

Publication number	Publication date	Application number	Application date
US3041648 A	19620703	US19600044142	19600720

Priority:

US19600044142 19600720

Probable Assignee:	GOLDEN STAR POLISH MFG CO INC
Assignee(s): (std):	GOLDEN STAR POLISH MFG CO INC
Assignee(s):	GOLDEN STAR POLISH MFG CO
Inventor(s): (std):	LELAND GRADINGER ; SIX WILBUR L
Inventor(s):	GRADINGER LELAND

5) Family number: 22356657 (US3026554A)

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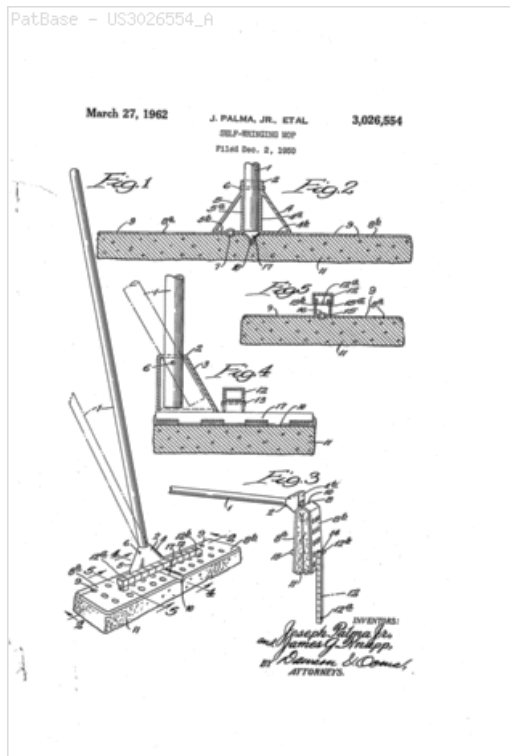
Title: SELF-WRINGING MOP

Abstract: (Claim 1) 1. In a mop includin_ a handle and a head attached thereto, a socket attached to said head for receiving said handle, said head includin- al_ elongated plate having a downward V-no',ch transversely across the center thereof and binged at the bottom of said V-notch, thereby providin- a smaller plate on each side of said V-notch, one of said sma'iler plat-s being rigidly attached to said socket and the other of said smaller plates being movable with respect to said socket about the hinge at the bottom of said V-notch, a sponge scured beneath said enlarged plate, and a longitudinally extending arm crossing above said V-notch, said arm bei-ig pivotally connected to the other of said smaller plates and releasably fastened to said one smaller plate which is rigidly attached to said socket, whereby said elon.-ated plate can be mainta:_ned in a horizontal position for mopping and folded under pressure from said irm to wring out said mop.

Classifications:**International (IPC 8-9):** A47L13/146 (Advanced/Invention);

A47L13/10 (Core/Invention)

International (IPC 1-7): A47L13/146**CPC:** A47L13/146**European:** A47L13/146**US:** 15/119.2 15/144.1 15/244.2

**Family:**

Publication number	Publication date	Application number	Application date
US3026554 A	19620327	US19500198807	19501202

Priority:

US19500198807 19501202

Probable Assignee:

AMERICAN MARIETTA CO

Assignee(s): (std):

AMERICAN MARIETTA CO

Assignee(s):

AMERICAN MARIETTA COMPANY

Inventor(s): (std):

KNAPP JAMES G ; PALMA JR JOSEPH

Inventor(s):

JR JOSEPH PALMA

6) Family number: 42661704 (EP2002942A2)

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Title: Device for ergonomic handling of an implement, and cleaning implement

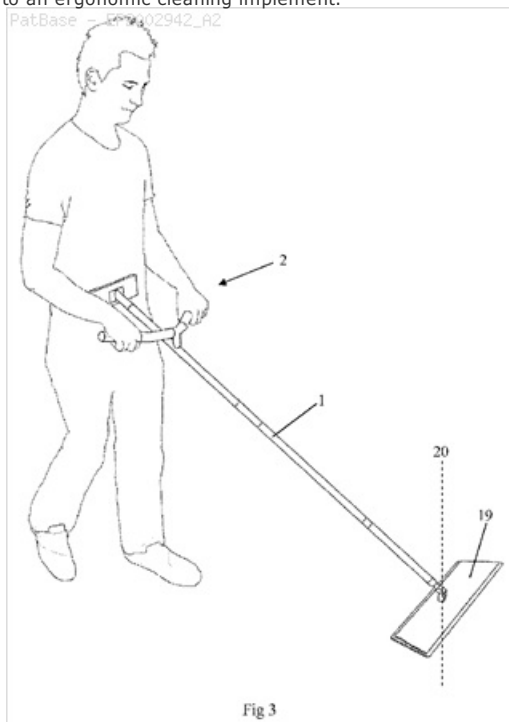
Abstract: The invention relates to a device (2) for ergonomic handling of an implement (19), such as a mop, with an elongated stale (1). A first end of the stale faces the user and a second end of the stale faces the implement. The device comprises a handle (9, 13) between the ends of the stale for the hands of the user, and a support (3) for resting against the user's body at the first end of the stale. The invention further relates to an ergonomic cleaning implement.

Classifications:**International (IPC 8-9):** A47L13/254 B25G1/10 (Advanced/Invention);

A47L13/20 B25G3/38 (Advanced/Non-invention);

B25G1/00 (Core/Invention);

A47L13/20 B25G3/00 (Core/Non-invention)

CPC: A47L13/254 B25G1/102 A47L13/20**European:** A47L13/20 A47L13/254 B25G1/10B

Family:

Publication number	Publication date	Application number	Application date
DE602008023192 D1	20130523	DE200860023192T	20080613
DK2002942 T3	20130617	DK20080158187T	20080613
EP2002942 A2	20081217	EP20080158187	20080613
EP2002942 A3	20091216	EP20080158187	20080613
EP2002942 B1	20130327	EP20080158187	20080613
EP2002942 B8	20130710	EP20080158187	20080613
ES2415681 T3	20130726	ES20080158187T	20080613
SE200701474 A	20081216	SE20070001474	20070615
SE200701474 L	20081216	SE20070001474	20070615
SE532072 C2	20091013	SE20070001474	20070615

Priority:

SE20070001474 20070615 EP20080158187 20080613

Probable Assignee: AHLSTROM AND PARTNERS AB**Assignee(s):** (std): AHLSTROEM AND PARTNERS AB ; AHLSTROM AND PARTNERS AB**Inventor(s):** (std): VAN LEER JOHN ; LEER JOHN VAN ; HAEGG GOERAN M ; AHLSTROEM JOHN PATRIK ; AHLSTROEM JOHN P**Inventor(s):** GOERAN M HAEGG ; JOHN VAN LEER ; JOHN PATRIK AHLSTROEM**Agent(s):** BOERLIN MARIA; VALLEJO JUAN PEDRO**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR**7) Family number: 55110778 (US2015074927A)**

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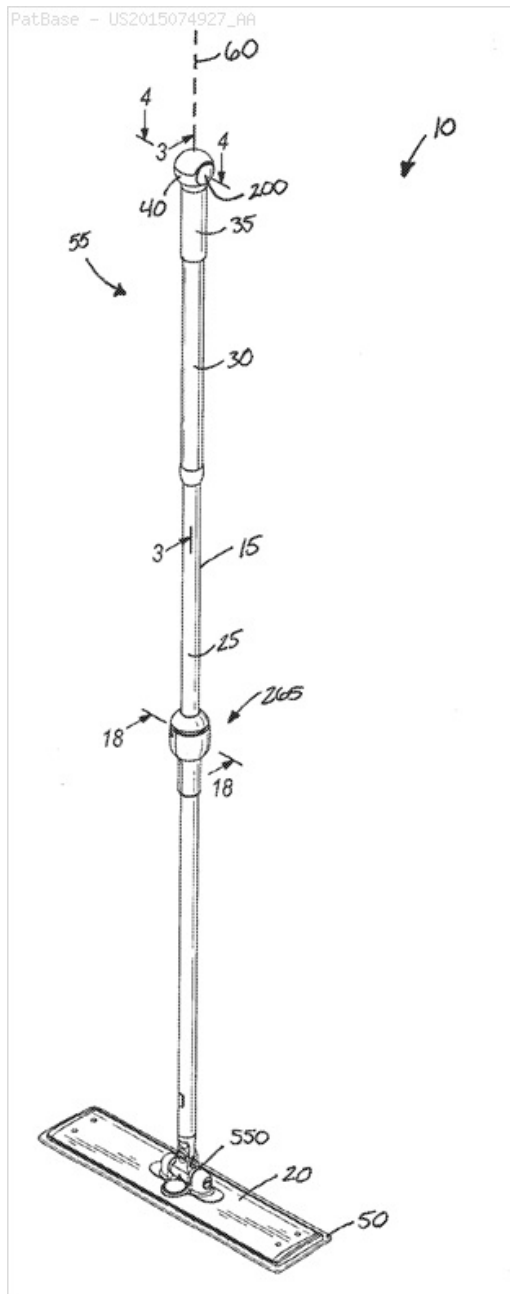
Title: FLOOR MAINTENANCE TOOL WITH MOP RELEASE MECHANISM

Abstract: A floor maintenance tool including a handle and a tool coupled to the handle. The tool head includes a frame that supports a first engagement panel and a second engagement panel, with each panel disposed on an underside of the frame. The tool also includes a cable that extends between the tool head and the handle and that is coupled to the first engagement panel and the second engagement panel. An actuator mechanism is coupled to the cable and is manipulatable to move at least one of the first engagement panel and the second engagement panel via the cable relative to the frame to selectively engage and disengage a mop pad relative to the tool head.

Classifications:**International (IPC 8-9):** A47L13/10 A47L13/20 A47L13/254

A47L13/44 (Advanced/Invention)

CPC: A47L13/254 A47L13/44**US:** 15/147.2

**Family:**

Publication number	Publication date	Application number	Application date
CA2871927 AA	20141028	CA20132871927	20130506
EP2844123 A2	20150311	EP20130784411	20130506
EP2844123 A4	20160928	EP20130784411	20130506
US2015074927 AA	20150319	US20130397250	20130506
WO13166492 A2	20131107	WO2013US39701	20130506
WO13166492 A3	20150108	WO2013US39701	20130506

Priority:

US20120642903P 20120504	US20120697930P 20120907	US20120697936P 20120907
WO2013US39701 20130506	US20130397250 20130506	

Probable Assignee: DIVERSEY INC**Assignee(s):** (std): DIVERSEY INC

Assignee(s): WIDMER ALFRED A ; ZBINDEN MARKUS ; STAUB ANDREAS ; SCHMITZ AXEL ; DIVERSEY INC8310 16TH STREETP.O. BOX 902M/S 509STURTEVANTWI53177-0902US ; AVCI MEHMET ; BACHMANN MICHAEL ; BOBER ANDREW M ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AG AS

Inventor(s): (std): AVCI MEHMET ; BACHMANN MICHAEL ; BOBER ANDREW M ; SCHMITZ AXEL ; STAUB ANDREAS ; WIDMER ALFRED A ; ZBINDEN MARKUS

Inventor(s): ZBINDEN MARKUSCH ; WIDMER ALFRED ACH ; STAUB ANDREASCH ; SCHMITZ AXELCH ; BOBER ANDREW MUS ; BACHMANN MICHAELCH ; AVCI MEHMETCH

Agent(s): SMART AND BIGGAR; UEXKUELL AND STOLBERG; NODOLF AARON K

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: WASHER APPARATUS

Abstract: A washing apparatus and method is disclosed that is adapted to be disposed within a bathtub or shower stall, the apparatus includes a base having a first side and a second side that is adjacent to a bathtub floor or a shower stall floor. Further included in the apparatus is an open receptacle that is disposed adjacent to the base first side, with the base first side having a user foothold area adjacent to and external to the open receptacle. Also included in the apparatus is an extension member having a distal end portion with a handle and an extension member proximal end portion that extends from the base first side. The receptacle further includes a plurality of washing bristles disposed on an interior of the receptacle and a manually operated reservoir for selectively dispensing soap adjacent to the bristles.

Classifications:

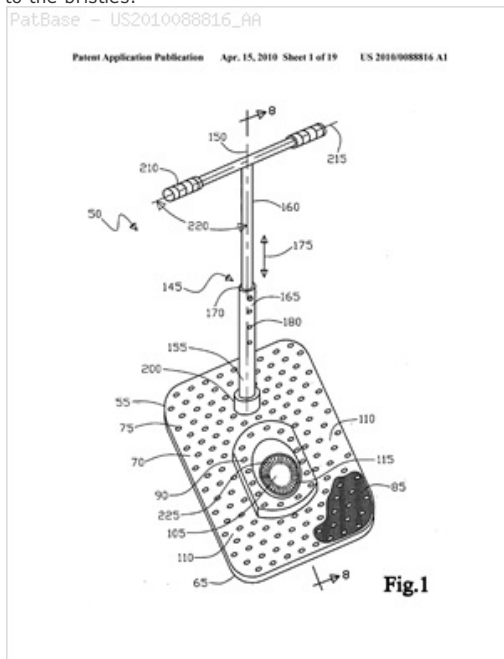
International (IPC 8-9): A47K7/00 (Advanced/Invention);

A47K7/00 (Core/Invention)

CPC: A47K7/026

European: A47K7/02C

US: 4/568

**Family:**

Publication number	Publication date	Application number	Application date
US2010088816 AA	20100415	US20080249839	20081010

Priority:

US20080249839 20081010

Probable Assignee:

ROLLINS BRIAN DAVID

Assignee(s): (std):

ROLLINS BRIAN DAVID

Inventor(s): (std):

ROLLINS BRIAN DAVID

Agent(s):

JACKSON ESQUIRE ROGER A JACKSON

Title: ADJUSTABLE CONNECTOR DEVICE FOR MOP OR BROOM HANDLES

Abstract: (Claim 1) 1. What I claim is; 1; An adjustable connector device for mop and broom handles comprising a member for attachment to a handle and including a. flat end portion having an aperture, a bolt in said aperture. a clamp device having a pair of arm plates relatively adjustable toward and from each other, said arm plates being mounted on said bolt on one side of said flat end portion and pivotal relative to said flat end portion, said clamp device having clamp portions disposed at right angles to said bolt for clamping a. cross-bar on a mop or broom frame, a friction plate mounted on said bolt on the opposite side of said flat end portion from said clamp device, downturned ears on said friction plate beyond the flat end portion and straddling the nearest clamp plate to retain said clamp and friction plates in fixed angular relation with respect to the flat end portion sandwiched therebetween, and a nut on each end of said bolt for respectively adjusting the tension between said friction plate and said clamp device and the tension between said clamp portions and the frame cross-bar by adjustment of said clamp plates.

Classifications:

International (IPC 8-9): B25G3/38 (Advanced/Invention);

B25G3/00 (Core/Invention)

International (IPC 1-7): A47L13/42

CPC: B25G3/38 Y10T403/32049 Y10T403/32336

European: B25G3/38

US: 15/144.2 15/146 403/58 403/93

NEENAH

Inventor(s): (std): GRIMARD DENIS R ; HENSHAW ROBERT ; KROLL RUSSELL J ; LEE MEEWHA ; LONDBORG MARK ; MERRILL THOMAS GLENN ; MORRIS CAMERON RAY ; NUKUTO GEORGE ; REDDY KIRAN K ; RIPPL CARL G ; ROSSIGNOL STEPHANIE ANN ; RUBIO FLORES JOSE RICARDO ; RUBIO FLORES JOSE RICARDO JR ; RUBIO FLORES JR JOSE RICARDO ; WOON PAUL

Inventor(s): WOON PAUL ALPHAERTTA ; RUBIO FLORES JOSE RICARDO JR ROSWELL ; ROSSIGNOL STEPHANIE ANN CUMMING ; RIPPL CARL G APPLETON ; REDDY KIRAN K ROSWELL ; NUKUTO GEORGE NEENAH ; MORRIS CAMERON RAY CUMMING ; MERRILL THOMAS GLENN CUMMING ; LONDBORG MARK ATLANTA ; LEE MEEWHA APPLETON ; KROLL RUSSELL J ATLANTA ; HENSHAW ROBERT NEWNAN ; GRIMARD DENIS R APPLETON

Agent(s): ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; DAVIES CHRISTOPHER ROBERT; KIMBERLY CLARK WORLDWIDE INC CATHERINE E WOLF; NATHAN P; HENDON NATHAN P ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW