COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

HEALTH; AMUSEMENT

A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

A61H PHYSICAL THERAPY APPARATUS, e.g. DEVICES FOR LOCATING OR STIMULATING REFLEX POINTS IN THE BODY; ARTIFICIAL RESPIRATION; MASSAGE; BATHING DEVICES FOR SPECIAL THERAPEUTIC OR HYGIENIC PURPOSES OR SPECIFIC PARTS OF THE BODY (electrotherapy, magnetotherapy, radiation therapy, ultrasound therapy A61N)

NOTE

In this subclass, the following expression is used with the meaning indicated:
- “physical therapy” covers the treatment of disease or disability by means, e.g. mechanical means, as opposed to drugs or surgery. It includes, by way of example, massage, whirlpool baths or devices for exercising a passive body member.

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Apparatus for passive exercising (A61H 5/00 takes precedence); Vibrating apparatus ((driving means for vibrating A61H 23/00)); Chiropractic devices, e.g. body impacting devices, external devices for briefly extending or aligning unbroken bones

NOTE

This group does not cover orthopaedic methods or devices, which are covered by group A61F 5/00.

1/001 . . {Apparatus for applying movements to the whole body}
1/003 . . {Rocker or oscillating around a horizontal axis transversal to the body}
1/005 . {Moveable platform, e.g. vibrating or oscillating platform for standing, sitting, laying, leaning}
1/006 . {Apparatus for applying pressure or blows for compressive stressing of a part of the skeletal structure, e.g. for preventing or alleviating osteoporosis}
1/008 . {Apparatus for applying pressure or blows almost perpendicular to the body or limb axis, e.g. chiropractic devices for repositioning vertebrae, correcting deformation}
1/02 . Stretching or bending (or torsioning) apparatus for exercising

NOTE

In this group, documents which are of interest for more than one subgroup are classified in the hierarchically higher group only, unless there is a specific group for the combination

2001/0203 . . {Rotation of a body part around its longitudinal axis}
2001/0207 . . {Nutation movement of a body part around its articulation}
2001/0211 . . {Walking coordination of arms and legs}

1/0214 . . (by rotating cycling movement)
1/0218 . . (Drawing-out devices (suspension devices for supporting the patient in upright walking or standing position A61H 3/008; orthopedic devices for non-surgical treatment A61F 5/01; stretching fractured limbs A61F 5/04))
1/0222 . . (by reducing gravity forces normally applied to the body, e.g. by lifting or hanging the body or part of it)
2001/0233 . . (Pulsating, alternating, fluctuating)
1/0237 . . (for the lower limbs)
1/024 . . (Knee (A61H 1/0255 takes precedence))
1/0244 . . (Hip (A61H 1/0255 takes precedence))
2001/0248 . . (by separating the legs laterally)
2001/0251 . . (by moving the legs together laterally)
1/0255 . . (Both knee and hip of a patient, e.g. in supine or sitting position, the feet being moved in a plane substantially parallel to the body-symmetrical-plane (A61H 1/0214 takes precedence))
1/0259 . . (moved by translation)
1/0262 . . (Walking movement; Appliances for aiding disabled persons to walk (A61H 3/00 takes precedence))
1/0266 . . (Foot)
2001/027 . . (Toes)
1/0274 . . (for the upper limbs)
1/0277 . . (Elbow)
1/0281 . . (Shoulder)
1/0285 . . (Hand)
1/0288 . . (Fingers)
1/0292 . . (for the spinal column (A61H 1/0218 takes precedence))
Appliances for aiding patients or disabled persons to walk about (apparatus for helping babies to walk
A47D 13/04; orthopaedic devices for correcting deformities of, or supporting, limbs A61F 5/0102; exercising apparatus for the feet or toes A63B 23/10; [stairways or ramps E04F 11/00])

2003/001   [on steps or stairways]
2003/002   [with attached or incorporated article carrying means]
2003/003   [Umbrellas]
2003/004   [Trays]
2003/005   [with knee, leg or stump rests]
2003/006   [with forearm rests, i.e. for non-used arms]
2003/007   [secured to the patient, e.g. with belts]
3/008     [Using suspension devices for supporting the body in an upright walking or standing position, e.g. harnesses (drawing-out devices A61H 1/0218)]
3/009   . . . .
2003/025   [Crutches with no pivoting movement during use, e.g. tripods]
2003/026   [with curved ground-engaging means, i.e. rockers]
2003/027   [Crutches in which movement is limited to a pivoting in one plane, e.g. 2-point supports]
2003/028   [with means for grasping or picking-up objects]
2003/029   [convertible from armpt- into forearm-model]
2003/030   [convertible from armpt crutch into cane]
2003/031   [convertible from forearm crutch into cane]
3/022     [Arrangements for storing or keeping upright when not in use]
2003/023   [with devices for securing a pair of crutches together]
2003/024   [on a single crutch for being fixed on or supported by a wall, furniture or the like]
2003/025   [on walls or furniture for receiving single crutches]
2003/026   [with magnetic fixing]
2003/027   [on a single crutch allowing it to remain upright when not in use, e.g. retractable tripods
(A61H 2003/0205 takes precedence)]
3/028     [Shock absorbers therefor]
2003/029   [using elastomeric material]
3/030     [Ferrules or tips therefor (for walking sticks or umbrellas A45B 9/04)]
2003/031   [comprising a ball-and-socket joint]
3/032     [Wheeled walking aids for disabled persons
(A61H 3/06 takes precedence)]
2003/033   [with a drive mechanism]
2003/034   [with braking means]
3/04      . . .
2003/035   [Walking aids for blind persons (replacing direct visual perception by another kind of perception
A61F 9/08)]
3/061     [with electronic detecting or guiding means]
2003/062   [with tactile perception]
2003/063   [in the form of braille]
3/065     [Installations on the floor, e.g. special surfaces, to guide blind persons]
3/066     [Sticks for blind persons]
5/005     [Exercisers for training the stereoscopic view]
Massage

2031/001 . . . . . . (fixed on the chest by suction)
2031/002 . . . . . . (fixed on the chest by adhesives)
2031/003 . . . . . . (with alternated thorax decompression due to lateral compression)
31/004 . . . . . . (Heart stimulation)
31/005 . . . . . . (with feedback for the user)
31/006 . . . . . . (Power driven)
31/007 . . . . . . (Manual driven)
31/008 . . . . . . (Supine patient supports or bases, e.g. improving air-way access to the lungs)
31/02 . "Iron-lungs" (i.e. involving chest expansion by applying underpressure thereon), whether or not combined with gas breathing means
2031/025 . . . . . . (using the same pump for pressure and vacuum, not being driven at the respiratory rate, e.g. blowers)

33/00 Bathing devices for special therapeutic or hygienic purposes
(A61H 35/00 takes precedence; [sprays acting on a body or body part not immersed in water A61H 9/00]; means for washing bed-ridden persons A61G 7/0005; for sub aquatic intestinal cleaning A61M 9/00]; isolation chambers A61M 21/0094;) electric or magnetic baths, applying ionised fluids A61N 1/44; (heater for bath tubs F24H 1/0081)

2033/0004 . . . . . . (Bathing devices specially adapted for treating burned patients)
2033/0008 . . . . . . (Arrangement for cleaning the installation before or after use)
2033/0012 . . . . . . (by rinsing)
2033/0016 . . . . . . (using cleansing products)
2033/002 . . . . . . (by blowing air through the installation after the bath has been emptied)
2033/0025 . . . . . . (by connecting the air lines with the drain)
2033/0029 . . . . . . (with ultrasonics)
2033/0033 . . . . . . (by draining-off pumps, nozzles, waterlines by gravity)
2033/0037 . . . . . . (Arrangement for cleaning the fluid during use)
2033/0041 . . . . . . (Cleaning and recovery of the fluid without mixing the cleaned and uncleaned fluid, e.g. using a recovery tank)
2033/0045 . . . . . . (with heat-recovery of waste fluid)
33/005 . . . . . . (Electrical circuits therefor)
2033/0054 . . . . . . (with liquid level detectors)
2033/0058 . . . . . . (controlled by the user)
2033/0062 . . . . . . (with electro-pneumatic or -hydraulic switches)
2033/0066 . . . . . . (with low-voltage switching, e.g. using optical isolators, isolated transformers)
2033/007 . . . . . . (with capacitors, e.g. proximity switches)
2033/0075 . . . . . . (with opto-electric switches)
2033/0079 . . . . . . (using remote control signal transmission devices, e.g. ultrasonic, infra-red)
2033/0083 . . . . . . (Illumination)
2033/0087 . . . . . . (Therapeutic baths with agitated or circulated water)
33/0091 . . . . . . (Water agitated by means moving in the bath, i.e. without water connections to an outside pump circuit)
33/0095 . . . . . . (Arrangements for varying the temperature of the liquid)

15/0085 . . . . . . [hand-held]
15/0092 . . . . . . (hand-held (A61H 15/0085 takes precedence))
15/02 . . . . . . adapted for simultaneous treatment with light, heat or drugs
19/00 Massage for the genitals; [Devices for improving sexual intercourse (penis erection devices A61F 5/41; vibration or percussion related aspects A61H 23/00)]
2023/0083 . . . . . . (A61H 23/00)
31/00 Artificial respiration or heart stimulation, e.g. heart massage (artificial respiration by treatment with gas or air, e.g. mouth-to-mouth respiration A61M 16/00; applying electric currents by contact electrodes for stimulation, e.g. heart pace-makers A61N 1/36; (teaching or training models, demonstration models for medical purposes G09B 23/288))
33/02 . . . Bathing devices for use with gas-containing liquid, or liquid in which gas is led or generated, e.g. carbon dioxide baths ([A61H 33/6026 takes precedence])

2033/021 . . . [Nozzles having flow-regulation means]
2033/022 . . . [with control means for regulating the air volume aspirated by a water jet]
2033/023 . . . [with means in the air supply lines to prevent back-feed of water, e.g. anti-backflow valves, draining devices]

33/025 . . . [Aerating mats or frames, e.g. to be put in a bathtub]
33/026 . . . [Gas nozzles specially adapted therefor]
33/027 . . . [Gas-water mixing nozzles therefor]
33/028 . . . [Means for producing a flow of gas, e.g. blowers, compressors]
33/04 . . . Appliances for sand, mud (, wax) or foam baths; Appliances for metal baths, e.g. using metal salt solutions

2033/041 . . . [Baths with dry sand or other dry particles]
2033/042 . . . [gas-fluidised or gas-heated during use]
2033/043 . . . [Foam baths]
2033/044 . . . [Baths with herbs, e.g. infusions]
2033/045 . . . [Liquid-metal baths]
2033/046 . . . [Mud baths; Baths using sand or other particles in water]
2033/047 . . . [Paraffin or wax baths]
2033/048 . . . [Baths using solutions, e.g. salts]
33/06 . . . Artificial hot-air or cold-air baths; Steam or gas baths or douches, e.g. sauna or Finnish baths (artificial climate rooms A61G 10/02)

2033/061 . . . [Artificial hot-air baths]
2033/062 . . . [Artificial cold-air baths]
33/063 . . . [Heaters specifically designed therefor]
33/065 . . . [with steam generators]
33/066 . . . [Cabins therefor]
33/067 . . . [Installations for the inside of such cabins, e.g. seats]

2033/068 . . . [Steam baths]
33/08 . . . [Air douches for hygienic purposes (hair-driers A45D 20/00; body-drying devices A47K 10/48; electric heating elements H05B)]
33/10 . . . [Devices on tubs for steam baths]
33/12 . . . [Steam baths for the face]
33/14 . . . [Devices for gas baths with ozone, hydrogen, or the like (production of ozone or hydrogen C01B, C25B 1/02)]

2033/141 . . . [with ionised gas, e.g. ozone]
2033/143 . . . [with oxygen]
2033/145 . . . [with CO₂]
2033/146 . . . [with nitrogen]
2033/148 . . . [with hydrogen]

33/60 . . . [Components specifically designed for the therapeutic baths of groups A61H 33/00 (plumbing E03C 1/00)]
33/6005 . . . [Special constructive structural details of the bathtub, e.g. of the walls or supporting structure]
33/601 . . . [Inlet to the bath]
33/6015 . . . [Cascade massage]
33/6021 . . . [Nozzles]
33/6026 . . . [Nozzles in the bathtub connected to an outside pump circuit without modification of the walls]

33/6031 . . . . . . [Extendible or retractable]
33/6036 . . . . . . [Hand-held connected to a supply hose]
33/6042 . . . . . . [Used also as outlet]
33/6047 . . . . . . [With incorporated pump means]
33/6052 . . . . . . [Having flow regulating means]
33/6057 . . . . . . [Comprising means producing pulsating or intermittent streams (for massage, A61H 9/0007)]
33/6063 . . . . . . [Specifically adapted for fitting in bathtub walls]
33/6068 . . . . . . [Outlet from the bath]
33/6073 . . . . . . [Intake mouths for recirculation of fluid in whirlpool baths]
33/6078 . . . . . . [Combined with waste outlets]
33/6084 . . . . . . [For filling to the border or edge of the bath, i.e. no border to be seen]
33/6089 . . . . . . [Specific construction features for further massaging means, i.e. not for the nozzles]
33/6094 . . . . . . [Extending through the wall of the bathing device]

35/00 Baths for specific parts of the body ([electric circuits therefor A61H 33/002; specific components therefor A61H 33/60])

35/002 . . . [Breast baths]
2035/004 . . . [for the whole body except the head]
35/006 . . . [for the feet]
35/008 . . . [for the head (A61H 35/02 and A61H 35/04 takes precedence)]
35/02 . . . [for the eyes]
35/04 . . . [for the nose]

36/00 Sweating suits

37/00 Accessories for massage

37/005 . . . [Body floating supports for relaxation in water]

39/00 Devices for locating or stimulating specific reflex points of the body for physical therapy, e.g. acupuncture (chiroprists' instruments A61B 17/54; for radiation therapy A61N 1/32)

39/002 . . . [Using electric currents (electrotherapy A61N 1/32)]

2039/005 . . . [by means of electromagnetic waves, e.g. I.R., U.V. rays]
39/007 . . . [Stimulation by mechanical vibrations, e.g. ultrasonic]
39/002 . . . [Devices for locating such points]
39/04 . . . [Devices for pressing such points, e.g. Shiatsu [or Acupressure] (Massage or pressure on general areas A61H 9/00 - A61H 23/00)]
39/06 . . . [Devices for heating or cooling such points within cell-life limits (cauterisers, moxaburners, cryogenic apparatus A61B 18/06; heating or cooling appliances for medical treatment of general areas of the human body A61F 7/00)]
39/08 . . . [Devices for applying needles to such points, i.e. for acupuncture [or Acupuncture needles or accessories therefor]]
39/083 . . . [Needle tubes]
39/086 . . . [Acupuncture needles]

99/00 Subject matter not provided for in other groups of this subclass
Driving means therapy, chromo therapy, infra-red or ultraviolet electrotherapy, magneto therapy or radiation with further special therapeutic means, e.g. heated or cooled cosmetics with means for delivering media, e.g. drugs or aromatherapy

Mechanism for heating or cooling heated by an electric resistance element by a heat accumulator, e.g. a sand or liquid reservoir by direct air flow on the patient's body by a fluid circulating in the apparatus

Therapy performed on humans by animals driven by a human being, e.g. hand driven combined with active exercising of the patient Passive exercise driven by movement of healthy limbs by the other leg or arm using own weight Therapy performed on humans by animals Special movement conversion means rotation-linear or vice versa

Physical interface with patient kind of interface, e.g. head rest, knee support or lumbar support

Head Holding means therefor Neck Holding means therefor Shoulder, e.g. for neck stretching Holding means therefor Thorax

Back Holding means therefor Pelvis holding means therefor Seat (A61H 2201/0149 takes precedence) Hand or arm, e.g. handle (hand-held, A61H 2201/0153; fore-arm support, A61H 2003/006)

Holding means therefor Feet or leg, e.g. pedal Holding means therefor Contoured to fit the user the anatomy of a particular individual Wearable interfaces Harness

Layer between the skin and massage elements, e.g. fluid or ball Movement of interface, i.e. force application means Free spatial automatic movement of interface within a working area, e.g. Robot Wobbling interface, e.g. Stewart platform or Hexapod (nutating movement, A61H 2001/0207)

Linear multimensional

Moving along the body in a reciprocating manner Rotational Multidimensional rotation
Additional characteristics concerning the patient

Control means thereof

Means for controlling a set of similar massage devices acting in sequence at different locations on a patient

for controlling frequency distribution, modulation or interference of a driving signal

can be connected to external computer devices or networks

using the internet

using specific interfaces or standards, e.g. USB, serial, parallel

Coin operated

Card operated, e.g. pre-paid card, credit card or ID card

Interfaces to the user

Activation means

Contact activation, i.e. activated at contact with a surface of the user to be treated

Inertia activation, i.e. activated by movement

having a fixed single program

Several programs selectable

freely programmable by the user

control is restricted to certain individuals

Displays

Touch screens

Audio interfaces, e.g. voice or music controlled

hydraulically controlled

mechanically controlled

pneumatically controlled

Sensors or detectors

Force sensors

Position sensors

Limit switches

Angle sensors

Pressure sensors

using electric pressure transducers with proportional output

Frequency sensors

Velocity sensors

Temperature sensors

Acceleration sensors

Flow rate sensors

Gas sensors, e.g. for oxygen or CO₂

Optical sensor

with patient markers

wireless

Devices for specific parts of the body (A61H 1/02, A61H 13/00, A61H 19/00, A61H 21/00, A61H 35/00 take precedence)

Head

Scalp

Face

Nose

Eyes

Forehead

Mandible

Ears

Temples

neck

Arms

Shoulders

Hands

Fingers

Trunk

Back

Breasts

Abdomen

Chest

Crotch

Buttocks

Genitals

Hip

Leg

Knee

Patella

for the lower legs

for the upper legs

Feet

Foot reflex zones

Anti-cellulite devices

Devices for avoiding blood stagnation, e.g. Deep Vein Thrombosis [DVT] devices

Measuring physical parameters of the user

Heartbeat characteristics, e.g. E.G.C., blood pressure modulation

used as a control parameter for the apparatus

Heartbeat rate
used as a control parameter for the apparatus

Other bio-electrical signals
Electroencephalographic signals
Blood composition characteristics
Glucose
partial CO₂-value
partial O₂-value
Blood flowrate, e.g. by Doppler effect
Blood pressure (A61H 2230/04 takes precedence)
(A61H 2230/045 takes precedence)
Respiratory characteristics
Rate
Temperature
Muscle strain, i.e. measured on the user, e.g. Electromyography [EMG]
Posture
Impedance, e.g. skin conductivity; capacitance, e.g. galvanic skin response [GSR]
Body fat
Weight
Height, e.g. length
Contour of the body