A CPC - 2020.01

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]

WARNING
Not complete, pending the completion of a reclassification, see also A61H 1/005

1/003 [Rocking 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

1/0201 {Rotation of a body part around its longitudinal axis}
1/0203 {Nutating movement of a body part around its articulation}
1/0211 [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 [Traction tables (A61H 1/0229 take precedence)]
1/0229 [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]
1/0251 [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]
1/026 [Walking movement; Appliances for aiding disabled persons to walk (A61H 3/00 takes precedence)]
1/0266 [Foot]
2001/0267 [Toes]
1/0274 [for the upper limbs]
1/0277 [Elbow]
1/0281 [Shoulder]
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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>3/00</td>
<td>Devices for suction-kneading massage; Devices for massaging the skin by rubbing or brushing not otherwise provided for (electro-medical massage devices applying electric current by contact A61N 1/18)</td>
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</tbody>
</table>

7/00 Devices for suction-kneading massage; Devices for massaging the skin by rubbing or brushing not otherwise provided for (electro-medical massage devices applying electric current by contact A61N 1/18)

7/001 [without substantial movement between the skin and the device]

7/002 [by rubbing or brushing]

7/003 [hand-held or hand-driven devices]

7/004 [power-driven, e.g. electrical]

7/005 [hand-held]

7/006 [Helms for head-massage (baths for the head A61H 35/008; washing, rinsing, drying A45D)]

7/007 [Kneading]

7/008 [Suction kneading]

2007/009 [having massage elements rotating on parallel output axis]

9/00 Pneumatic or hydraulic massage

9/0007 [Pulsating]

2009/0014 [with particles, e.g. sand]

9/0021 [Hydraulic massage]

WARNING

Group A61H 9/0021 is incomplete pending reclassification of documents from group A61H 9/0028.

Group A61H 9/0021 is also impacted by reclassification into group A61H 9/0028.

Groups A61H 9/0021 and A61H 9/0028 should be considered in order to perform a complete search.

9/0028 [Hand-held devices for spraying and removing liquid while moved on the skin]

WARNING

Group A61H 9/0028 is incomplete pending reclassification of documents from group A61H 9/0021.

Group A61H 9/0028 is also impacted by reclassification into group A61H 9/0021.

Groups A61H 9/0028 and A61H 9/0021 should be considered in order to perform a complete search.

9/0035 [with cabin for the whole body]

2009/0042 [with water recirculation]

9/005 [Pneumatic massage]

9/0057 [Suction (suction kneading A61H 7/0008)]

2009/0064 [suction by releasing a flexible cup after deformation, i.e. without further vacuum source]

9/0071 [by localized pressure, e.g. air streams or jets]

9/0078 [with intermittant or alternately inflated bladders or cuffs (mattresses for preventing bed sores with alternated pressurized chambers A61G 7/05776)]
Massage

9/0085 . . . [Inflated by user's body movement, e.g. ambulatory devices]
9/0092 . . . [Cuffs therefor]

11/00 Belts, strips or combs for massage purposes
2011/005 [with belt or strap expanding and contracting around an encircled body part]
11/02 . Massage devices with strips oscillating lengthwise
13/00 Gum massage
13/005 . (Hydraulic gum massage)
15/00 Massage by means of rollers, balls, e.g. inflatable, chains, or roller chains
2015/0007 . [with balls or rollers rotating about their own axis]
2015/0014 . [cylinder-like, i.e. rollers]
2015/0021 . [multiple on the same axis]
2015/0028 . [disc-like, i.e. diameter substantially greater than width]
2015/0035 . [multiple on the same axis]
2015/0042 . [Balls or spheres]
2015/005 . [multiple on the same axis]
2015/0057 . [the axis being resiliently biased]
2015/0064 . [with freely rotating axes]
2015/0071 . [with balls or rollers having built-in vibrating means]
15/0078 . [power-driven]
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 23/000)
19/30 . [Devices for external stimulation of the genitals]
19/32 . [for inserting the genitals therein, e.g. vibrating rings for males or breast stimulating devices]
19/34 . [For clitoral stimulation]
19/40 . [Devices insertable in the genitals]
19/44 . [Having substantially cylindrical shape, e.g. dildos]
19/50 . [Devices for use during sexual intercourse]

21/00 Massage devices for cavities of the body, e.g. nose, ears and anus (for the genitals A61H 19/00); Vibration or percussion related aspects A61H 23/000
23/00 Percussion or vibration massage, e.g. using supersonic vibration; Suction-vibration massage; Massage with moving diaphragms (apparatus for passive exercising A61H 1/00; generating or transmitting mechanical vibrations in general B06B)
2023/002 . [having a percussion element combined with a passive spacer element for bearing against the skin]
23/004 . [With mechanical drive, e.g. spring mechanism or vibrating unit being hit for starting vibration and then applied to the body of a patient]

WARNING
Not complete, pending the completion of a reclassification

23/006 . [Percussion or tapping massage (hand percussion A61H 23/006)]

WARNING
Not complete, pending the completion of a reclassification

23/008 . [using shock waves]
23/02 . with electric or magnetic drive
2023/0209 . [powered with frequencies not related to mains frequency]
23/0218 . [with alternating magnetic fields producing a translating or oscillating movement]
2023/0227 . . . [with magnetostrictive elements]
23/0236 . . [using sonic waves, e.g. using loudspeakers]
23/0245 . . [with ultrasonic transducers, e.g. piezo-electric]
23/0254 . . [with rotary motor]
23/0263 . . [using rotating unbalanced masses]
2023/0272 . . . [multiple masses each rotated by an individual motor]
2023/0281 . . . . [multiple masses driven by the same motor]
2023/029 . . . . [with variable angular positioning]
23/04 . [with hydraulic or pneumatic drive (hydraulic or Pneumatic massages, A61H 9/00; underwater massage, A61H 33/00;)]
2023/045 . . [using hydrostatic pressure, e.g. high density fluids]
23/06 . Hand percussion (i.e. Hand driven (chiropractic devices, A61H 1/008, A61H 1/006))

31/00 Artificial respiration or heart stimulation ((blood pumps A61M 1/10; 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))
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]
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]

33/061. [Artificial hot-air baths]

33/062. [Artificial cold-air baths]

33/063. [Heaters specifically designed therefor]

33/065. [With steam generators]

33/066. [Cabin therefor]

33/067. [Installations for the inside of such cabins, e.g. seats]

33/068. [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)

33/141. [With ionised gas, e.g. ozone]

33/143. [With oxygen]

33/145. [With CO₂]

33/146. [With nitrogen]

33/148. [With hydrogen]

33/60. [Components specifically designed for the therapeutic baths of groups A61H 33/00 (plumbing E03C 100)]

33/605. [Special constructive 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 33/005; specific components therefor A61H 33/60)}

35/002. [Breast baths]

35/004. [For the whole body except the head]

35/006. [For the feet]
Sweating suits

Accessories for massage

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 5/06])

2039/055 . [by means of electromagnetic waves, e.g. I.R., U.V. rays]

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)

Devices for applying needles to such points, i.e. for acupuncture [; Acupuncture needles or accessories therefor]

99/00 Subject matter not provided for in other groups of this subclass

2201/00 Characteristics of apparatus not provided for in the preceding codes

2201/01 Constructive details

2201/013 . inflatable

2201/017 . modular

2201/0111 wateright

2201/0115 used in water

2201/0119 Support for the device

2201/0123 on a door

2201/0126 on a wall

2201/013 Suction cups

2201/0134 Cushion or similar support

2201/0138 incorporated in furniture

2201/0142 Beds

2201/0146 . Mattresses

2201/0149 Seat or chair

2201/0153 hand-held

2201/0157 portable

2201/0161 Size reducing arrangements when not in use, for stowing or transport

2201/016 Damping, vibration related features

2201/0169 Noise reduction

2201/0173 Means for preventing injuries

2201/0176 By stopping operation

2201/018 By limiting the applied torque or force

2201/0184 by raising an alarm

2201/0188 . Illumination related features

2201/0192 . Specific means for adjusting dimensions

2201/0196 automatically adjusted according to anthropometric data of the user

2201/02 heated or cooled

2201/0207 . heated

2201/0214 . cooled

2201/0221 . Mechanism for heating or cooling

2201/0228 . heated by an electric resistance element

2201/0235 Thermostors with Positive Temperature Coefficient [PTC]

2201/0242 . by a fluid circulating in the apparatus

2201/025 . by direct air flow on the patient's body

2201/0257 . by a heat accumulator, e.g. a sand or liquid reservoir

2201/0264 . using heat exchanger, e.g. between fresh and used fluids

2201/0271 . . using heat loss of a motor

2201/0278 . by chemical reaction

2201/0285 . with Peltier elements

2201/0292 . with microwaves

2201/10 with further special therapeutic means, e.g. electrotherapy, magneto therapy or radiation therapy, chromo therapy, infra-red or ultraviolet therapy

2201/102 . with aromatherapy

2201/105 . with means for delivering media, e.g. drugs or cosmetics

2201/107 Respiratory gas

2201/12 Driving means

2201/1207 with electric or magnetic drive

2201/1215 Rotary drive

2201/1223 Frequency controlled AC motor

2201/123 . Linear drive

2201/1238 . with hydraulic or pneumatic drive

2201/1246 . by piston-cylinder systems

2201/1253 driven by a human being, e.g. hand driven

2201/1261 combined with active exercising of the patient

2201/1269 Passive exercise driven by movement of healthy limbs

2201/1276 . by the other leg or arm

2201/1284 . using own weight

2201/1292 Therapy performed on humans by animals

2201/14 Special force transmission means, i.e. between the driving means and the interface with the user

2201/1409 Hydraulic or pneumatic means

2201/1418 . Cam

2201/1427 . Wobbling plate

2201/1436 Special crank assembly

2201/1445 . Overrunning clutches; One-way clutches

2201/1454 . Special bearing arrangements

2201/1463 Special speed variation means, i.e. speed reducer

2201/1472 . Planetary gearing

2201/1481 Special movement conversion means

2201/149 . rotation-linear or vice versa

2201/16 . Physical interface with patient

2201/1602 . kind of interface, e.g. head rest, knee support or lumbar support

2201/1604 . Head

2201/1607 . Holding means therefor

2201/1609 . Neck
A61H

2201/1611 . . . . Holding means thereof
2201/1614 . . . . Shoulder, e.g. for neck stretching
2201/1616 . . . . Holding means thereof
2201/1619 . . . . Thorax
2201/1621 . . . . Holding means thereof
2201/1623 . . . . Back
2201/1626 . . . . holding means thereof
2201/1628 . . . . Pelvis
2201/163 . . . . holding means thereof
2201/1633 . . . . Seat (A61H 2201/0149 takes precedence)
2201/1635 . . . . Hand or arm, e.g. handle (hand-held, A61H 2201/0153; fore-arm support, A61H 2003/006)

2201/1638 . . . . Holding means thereof
2201/164 . . . . Feet or leg, e.g. pedal
2201/1642 . . . . Holding means thereof
2201/1645 . . . . contoured to fit the user
2201/1647 . . . . the anatomy of a particular individual
2201/165 . . . . Wearable interfaces
2201/1652 . . . . Harness
2201/1654 . . . . Layer between the skin and massage elements, e.g. fluid or bull
2201/1657 . . . . Movement of interface, i.e. force application means
2201/1659 . . . . Free spatial automatic movement of interface within a working area, e.g. Robot
2201/1661 . . . . Wobbling interface, e.g. Stewart platform or Hexapod (mutating movement, A61H 2001/0207)
2201/1664 . . . . linear
2201/1666 . . . . multidimensional
2201/1669 . . . . moving along the body in a reciprocating manner
2201/1671 . . . . rotational
2201/1673 . . . . Multidimensional rotation
2201/1676 . . . . Pivoting
2201/1678 . . . . Means for angularly oscillating massage elements
2201/168 . . . . not moving
2201/1683 . . . . Surface of interface
2201/1685 . . . . interchangeable (modular devices, A61H 2201/0107)
2201/1688 . . . . disposable
2201/169 . . . . Physical characteristics of the surface, e.g. material, relief, texture or indicia
2201/1692 . . . . Enhanced rubbing effect
2201/1695 . . . . Enhanced pressure effect, e.g. substantially sharp projections, needles or pyramids
2201/1697 . . . . Breathability of the material
2201/150 . . . . Control means thereof
2201/5002 . . . . Means for controlling a set of similar massage devices acting in sequence at different locations on a patient
2201/5005 . . . . for controlling frequency distribution, modulation or interference of a driving signal
2201/5007 . . . . computer controlled
2201/501 . . . . connected to external computer devices or networks
2201/5012 . . . . using the internet
2201/5015 . . . . using specific interfaces or standards, e.g. USB, serial, parallel
2201/5017 . . . . Coin operated
2201/502 . . . . Card operated, e.g. pre-paid card, credit card or ID card
2201/5023 . . . . Interfaces to the user
2201/5025 . . . . Activation means
2201/5028 . . . . Contact activation, i.e. activated at contact with a surface of the user to be treated
2201/503 . . . . Inertia activation, i.e. activated by movement
2201/5033 . . . . having a fixed single program
2201/5035 . . . . Several programs selectable
2201/5038 . . . . freely programmable by the user
2201/5041 . . . . control is restricted to certain individuals
2201/5043 . . . . Displays
2201/5046 . . . . Touch screens
2201/5048 . . . . Audio interfaces, e.g. voice or music controlled
2201/5051 . . . . hydraulically controlled
2201/5053 . . . . mechanically controlled
2201/5056 . . . . pneumatically controlled
2201/5058 . . . . Sensors or detectors
2201/5061 . . . . Force sensors
2201/5064 . . . . Position sensors
2201/5066 . . . . Limit switches
2201/5069 . . . . Angle sensors
2201/5071 . . . . Pressure sensors
2201/5074 . . . . using electric pressure transducers with proportional output
2201/5076 . . . . Frequency sensors
2201/5079 . . . . Velocity sensors
2201/5082 . . . . Temperature sensors
2201/5084 . . . . Acceleration sensors
2201/5087 . . . . Flow rate sensors
2201/5089 . . . . Gas sensors, e.g. for oxygen or CO2
2201/5092 . . . . Optical sensor
2201/5094 . . . . with patient markers
2201/5097 . . . . wireless

2203/00 Additional characteristics concerning the patient
2203/02 . . . . immersed in liquid
2203/03 . . . . especially adapted for animals
2203/04 . . . . Position of the patient
2203/0406 . . . . Standing on the feet
2203/0412 . . . . Kneeling
2203/0418 . . . . Squatting, i.e. sitting on the heels
2203/0425 . . . . Sitting on the buttocks
2203/0431 . . . . in 90°/90°-position, like on a chair
2203/0437 . . . . with stretched legs, like in a bed
2203/0443 . . . . substantially horizontal
2203/045 . . . . with legs in a kneeled 90°/90°-position
2203/0456 . . . . Supine
2203/0462 . . . . with legs stretched and hips in 90°-position
2203/0468 . . . . Prone
2203/0475 . . . . on the side
2203/0481 . . . . Hanging
2203/0487 . . . . upright
2203/0493 . . . . by hanging the patient upside down or inclined downwardly

2205/00 Devices for specific parts of the body (A61H 1/02, A61H 13/00, A61H 19/00, A61H 21/00, A61H 35/00 take precedence)
2205/02 . . . . Head
2205/021 . . . . Scalp
2205/022 . . . . Face
2205/023 . . . . Nose
A61H

2205/024 . . . Eyes
2205/025 . . . Forehead
2205/026 . . . Mandible
2205/027 . . . Ears
2205/028 . . . Temples
2205/04 . . . neck
2205/06 . . . Arms
2205/062 . . . Shoulders
2205/065 . . . Hands
2205/067 . . . Fingers
2205/08 . . . Trunk
2205/081 . . . Back
2205/082 . . . Breasts
2205/083 . . . Abdomen
2205/084 . . . Chest
2205/085 . . . Crotch
2205/086 . . . Buttocks
2205/087 . . . Genitals
2205/088 . . . Hip
2205/10 . . . Leg
2205/102 . . . Knee
2205/104 . . . Patella
2205/106 . . . for the lower legs
2205/108 . . . for the upper legs
2205/12 . . . Feet
2205/125 . . . Foot reflex zones

2207/00 Anti-cellulite devices

2209/00 Devices for avoiding blood stagnation, e.g. Deep Vein Thrombosis [DVT] devices

2230/00 Measuring physical parameters of the user
2230/04 . . . Heartbeat characteristics, e.g. E.G.C., blood pressure modulation
2230/045 . . . used as a control parameter for the apparatus
2230/06 . . . Heartbeat rate
2230/065 . . . used as a control parameter for the apparatus
2230/08 . . . Other bio-electrical signals
2230/085 . . . used as a control parameter for the apparatus
2230/10 . . . Electroencephalographic signals
2230/105 . . . used as a control parameter for the apparatus
2230/20 . . . Blood composition characteristics
2230/201 . . . used as a control parameter for the apparatus
2230/202 . . . Glucose
2230/203 . . . used as a control parameter for the apparatus
2230/205 . . . partial CO₂-value
2230/206 . . . used as a control parameter for the apparatus
2230/207 . . . partial O₂-value
2230/208 . . . used as a control parameter for the apparatus
2230/25 . . . Blood flowrate, e.g. by Doppler effect
2230/255 . . . used as a control parameter for the apparatus
2230/30 . . . Blood pressure (A61H 2230/04 takes precedence)
2230/305 . . . used as a control parameter for the apparatus
(A61H 2230/045 takes precedence)
2230/40 . . . Respiratory characteristics
2230/405 . . . used as a control parameter for the apparatus
2230/42 . . . Rate
2230/425 . . . used as a control parameter for the apparatus
2230/50 . . . Temperature
2230/505 . . . used as a control parameter for the apparatus
2230/60 . . . Muscle strain, i.e. measured on the user, e.g. Electromyography [EMG]