CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

A47  FURNITURE; DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL

(NOTE omitted)

A47C  CHAIRS (seats specially adapted for vehicles B60N 2/00); SOFAS; BEDS (upholstery in general B68G)

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   A47C 23/053 covered by A47C 23/05, A47C 23/0507, A47C 23/0515
2. 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.

Chairs; Stools; Benches

1/00  Chairs adapted for special purposes (features relating to vertical adjustability A47C 3/20; convertible chairs A47C 13/00; chairs or personal conveyances specially adapted for patients or disabled persons A61G 5/00; operating chairs, dental chairs A61G 15/00)

1/02  Reclining or easy chairs (supports for parts of body A47C 7/36, A47C 7/50, A47C 7/54)

1/022 Having independently-adjustable supporting parts

1/023 . . . the parts being horizontally-adjustable seats (: Expandable seats or the like, e.g. seats with horizontally adjustable parts)

1/024 . . . the parts, being the back-rest, or the back-rest and seat unit, having adjustable { and lockable } inclination

1/0242 . . . (by electric motors)

1/0244 . . . (by fluid means)

1/0246 . . . (by means of screw-and-nut mechanism)

1/0248 . . . (by chains, ropes or belts)

1/025 . . . by means of a { rack-and-pinion } or like gearing mechanism

1/026 . . . by means of peg-and-notch or { pawl-and-ratchet } mechanism

1/0265 . . . { positioned under the arm-rests }

1/027 . . . by means of clamps or friction locking members

1/028 . . . for changing a straight chair into an easy chair {, e.g. by inverting or tilting seat and back-rest in the base frame or by overturning the whole chair}

1/029 . . . by changing the length or the inclination of the legs { (varying the height of a seat by inclining the legs A47C 3/36) }

1/03 . . . the parts being arm-rests { (conversion into a bed A47C 17/12) }

WARNING

Group A47C 1/03 is incomplete pending reclassification of documents from group A47C 7/54, A47C 7/543 and A47C 7/546.

Group A47C 1/03 is also impacted by reclassification into groups A47C 1/0303, A47C 1/0305, A47C 1/0307, A47C 1/0308 and A47C 7/541.

All groups listed in this Warning should be considered in order to perform a complete search.

1/0303 . . . (adjustable rectilinearly in vertical direction)

WARNING

Group A47C 1/0303 is incomplete pending reclassification of documents from groups A47C 1/03, A47C 7/54, A47C 7/543 and A47C 7/546.

All groups listed in this Warning should be considered in order to perform a complete search.

1/0305 . . . (by peg-and-notch or pawl-and-ratchet mechanism)

WARNING

Group A47C 1/0305 is incomplete pending reclassification of documents from groups A47C 1/03, A47C 7/54, A47C 7/543 and A47C 7/546.

All groups listed in this Warning should be considered in order to perform a complete search.
Chairs; Stools; Benches

1/0307 . . . . [adjustable rectilinearly in horizontal direction]

**WARNING**

Group A47C 1/0307 is incomplete pending reclassification of documents from groups A47C 1/03, A47C 7/54, A47C 7/543 and A47C 7/546.

All groups listed in this Warning should be considered in order to perform a complete search.

1/0308 . . . . [adjustable by rotation]

**WARNING**

Group A47C 1/0308 is incomplete pending reclassification of documents from groups A47C 1/03, A47C 7/54, A47C 7/543 and A47C 7/546.

All groups listed in this Warning should be considered in order to perform a complete search.

1/031 . . . having coupled {concurrently} adjustable supporting parts

1/032 . . . the parts being movably-coupled seat and back-rest (A47C 1/035 takes precedence)

1/03205 . . . . [having adjustable and lockable inclination]

1/03211 . . . . . [by electric motors]

1/03216 . . . . . [by fluid means]

1/03222 . . . . . [by means of screw-and-nut mechanism]

1/03227 . . . . . [by chains, ropes or belts]

1/03233 . . . . . [by means of a rack-and-pinion or like gearing mechanism]

1/03238 . . . . . [by means of peg-and-notch or pawl-and-ratchet mechanism]

1/03244 . . . . . {positioned under the arm-rests}

1/0325 . . . . . [by means of clamps or friction locking members]

1/03255 . . . . . [with a central column, e.g. rocking office chairs]

1/03261 . . . . . [characterised by elastic means]

**WARNING**

Group A47C 1/03261 is incomplete pending reclassification of documents from group A47C 7/14.

Group A47C 1/03261 is also impacted by reclassification into groups A47C 1/03277 and A47C 1/03279.

All groups listed in this Warning should be considered in order to perform a complete search.

1/03266 . . . . . [with adjustable elasticity]

**WARNING**

Group A47C 1/03266 is incomplete pending reclassification of documents from group A47C 7/14.

Group A47C 1/03266 is also impacted by reclassification into groups A47C 1/03277 and A47C 1/03279.

All groups listed in this Warning should be considered in order to perform a complete search.

1/03272 . . . . . [with coil springs]

**WARNING**

Group A47C 1/03272 is incomplete pending reclassification of documents from group A47C 7/14.

Group A47C 1/03272 is also impacted by reclassification into group A47C 1/03274.

Groups A47C 7/14, A47C 1/03272 and A47C 1/03274 should be considered in order to perform a complete search.

1/03274 . . . . . [of torsion type]

**WARNING**

Group A47C 1/03274 is incomplete pending reclassification of documents from groups A47C 1/03272 and A47C 7/14.

Groups A47C 1/03272, A47C 7/14 and A47C 1/03274 should be considered in order to perform a complete search.

1/03277 . . . . . [with bar or leaf springs]

**WARNING**

Group A47C 1/03277 is incomplete pending reclassification of documents from groups A47C 1/03261, A47C 1/03266 and A47C 7/14.

Groups A47C 1/03261, A47C 1/03266 and A47C 7/14.

Groups A47C 1/03277, A47C 7/14 and A47C 1/03274 should be considered in order to perform a complete search.

1/03279 . . . . . [of torsion type]

**WARNING**

Group A47C 1/03279 is incomplete pending reclassification of documents from groups A47C 1/03261, A47C 1/03266, A47C 1/03277 and A47C 7/14.

All groups listed in this Warning should be considered in order to perform a complete search.

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Chairs; Stools; Benches

1/03283 . . . . { with fluid springs }

WARNING

Group A47C 1/03283 is incomplete pending reclassification of documents from group A47C 7/14. Groups A47C 7/14 and A47C 1/03283 should be considered in order to perform a complete search.

1/03288 . . . . { with resilient blocks }

WARNING

Group A47C 1/03288 is incomplete pending reclassification of documents from group A47C 7/14. Groups A47C 7/14 and A47C 1/03288 should be considered in order to perform a complete search.

1/03294 . . . . { slidingly movable in the base frame, e.g. by rollers }

1/033 . . . . the coupling member being a flexible strip

1/034 . . . . the parts including a leg-rest or foot-rest (A47C 1/037 takes precedence)

1/0342 . . . . [ in combination with movable backrest-seat unit or back-rest]

1/0345 . . . . [ characterised by foot-rests actuated by lazy-tongs]

1/0347 . . . . [ characterised by the backrest-seat unit or back-rest slidingly movable in the base frame, e.g. by rollers]

1/035 . . . . in combination with movably coupled seat and back-rest, [i.e. the seat and back-rest being movably coupled in such a way that the extension mechanism of the foot-rest is actuated at least by the relative movements of seat and backrest]

1/0352 . . . . [ characterised by coupled seat and back-rest slidingly movable in the base frame, e.g. by rollers]

1/0355 . . . . actuated by linkages, e.g. lazy-tongs mechanisms

1/036 . . . . the parts including a head-rest

1/037 . . . . in combination with a leg-rest or foot-rest

1/04 . Hairdressers' or similar chairs {, e.g. beauty salon chairs}

1/06 . . . . adjustable

1/08 . . . . with auxiliary seats (insertable seats for children A47C 1/11)

1/10 . . . . with head-rests; with paper holders

1/11 . . . . Accessories not otherwise provided for, e.g. seats for children

1/12 . Theatre, auditorium, or similar chairs (seats detachably mounted on) stadium benches A47C 1/16

1/121 . . . having tipping-up seats

1/122 . . . tipping-up sideways

1/124 . . . Separate chairs, connectible together into a row

1/126 . . . stowable in floor or wall

1/13 . . . Indicators; Devices for reserving or the like {(coin-freed apparatus for seats or footstools G07F 17/08)}

1/14 . Beach chairs {, Chairs for outdoor use, e.g. chairs for relaxation or sun-tanning}

1/143 . . . { Chaise lounges }

1/146 . . . { of legless type }

1/16 . { Chairs or } seats detachably mounted on stadium benches (detachably mounted children's chairs A47D 1/10)

3/00 Chairs characterised by structural features; Chairs or stools with rotatable or vertically-adjustable seats (A47C 1/00, A47C 4/00 take precedence)

3/02 . . . Rocking chairs (specially for children A47D 13/10)

3/021 . . . having elastic frames

3/023 . . . . made of tubular material

3/025 . . . . with seat, or seat and back-rest unit elastically {or pivotally} mounted in a rigid {base} frame

WARNING

Group A47C 3/025 is impacted by reclassification into group A47C 3/0251. Groups A47C 3/025 and A47C 3/0251 should be considered in order to perform a complete search.

3/0251 . . . { driven by electric motors }

WARNING

Group A47C 3/0251 is impacted by reclassification into group A47C 3/0251. Groups A47C 3/0252 and A47C 3/0251 should be considered in order to perform a complete search.

3/0252 . . . { connected only by an elastic member positioned between seat and base frame }

WARNING

Group A47C 3/0252 is impacted by reclassification into group A47C 3/0251. Groups A47C 3/0252 and A47C 3/0251 should be considered in order to perform a complete search.

3/0255 . . . { pivotally mounted in the base frame, e.g. swings }

WARNING

Group A47C 3/0255 is impacted by reclassification into group A47C 3/0251. Groups A47C 3/0255 and A47C 3/0251 should be considered in order to perform a complete search.

3/0257 . . . { slidingly movable in the base frame, e.g. by rollers }

WARNING

Group A47C 3/0257 is impacted by reclassification into group A47C 3/0251. Groups A47C 3/0257 and A47C 3/0251 should be considered in order to perform a complete search.
3/026 . . . with central column, e.g. rocking office chairs; Tilting chairs

**WARNING**

Group **A47C 3/026** is impacted by reclassification into group **A47C 3/0251**. Groups **A47C 3/026** and **A47C 3/0251** should be considered in order to perform a complete search.

3/027 . . . with curved rocking members between seat and [base] frame

**WARNING**

Group **A47C 3/027** is impacted by reclassification into group **A47C 3/0251**. Groups **A47C 3/027** and **A47C 3/0251** should be considered in order to perform a complete search.

3/029 . . . with curved rocking members resting on the floor
3/03 . . . Locking members (**A47C 3/027** takes precedence)
3/04 . . . Stackable chairs; Nesting chairs
3/045 . . . {with tipping-up seats}
3/12 . . . with shell-shape seat and back-rest unit, e.g. having arm rests
3/14 . . . of asymmetrical shape
3/16 . . . of legless type, e.g. with seat directly resting on the floor (**A47C 3/14** takes precedence; detachably mounted on stadium benches **A47C 1/16**; children's chairs mounted on back-rest of chair **A47D 1/10**; legless beach chairs **A47C 1/146**; inflatable chairs **A47C 4/54**); Hassocks; Pouffes
3/18 . . . Chairs or stools with rotatable seat (adjustable in height by rotation **A47C 3/24**)
3/185 . . . {self-returning to the original position}
3/20 . . . Chairs or stools with vertically-adjustable seats (tables with variable height **A47B 9/00**)
3/22 . . . with balancing device, e.g. by spring, by weight
3/24 . . . with vertical spindle
3/245 . . . {resiliently supported}
3/26 . . . with vertical, [or inclined] toothed rack; [with peg-and-notch mechanism]
3/265 . . . {with rack-and-pinion gearing}
3/28 . . . with clamps acting on vertical rods
3/285 . . . {with radially expansible clamping elements telescopically engaged in a tube or the like}
3/30 . . . with vertically-acting fluid cylinder
3/32 . . . with flexible height-adjusting means, e.g. rope, chain
3/34 . . . with pins coacting with holes {or bolt-and-nut adjustment}
3/36 . . . with means, or adapted, for inclining the legs of the chair or stool for varying height of seat
3/38 . . . with additional seat or additional legs for varying height of seat
3/40 . . . Telescopc guides

**4/00 Foldable, collapsible or dismountable chairs (of tubular metal type **A47C 5/10**; children's foldable chairs **A47D 1/02**)**

4/02 . . . Dismountable chairs
4/021 . . . {connected by slotted joints}
4/022 . . . {connected by bars or wires}
4/024 . . . {having integral back-rest and rear leg}

4/025 . . . {having integral back-rest and front leg}
4/027 . . . {having integral seat and rear leg}
4/028 . . . {Upholstered chairs, e.g. metal, plastic or wooden chairs}
4/03 . . . Non-upholstered {chairs, e.g. metal, plastic or} wooden chairs
4/04 . . . Folding chairs with inflexible seats
4/045 . . . {foldable side to side only}
4/06 . . . Attachment of upholstery or fabric to frames (in general **A47C 31/02**)
4/08 . . . having a frame made of wood or plastics
4/10 . . . with legs pivotably connected to seat or underframe
4/12 . . . . . . of adjustable type (**A47C 4/14** takes precedence)
4/14 . . . . . . with cross legs
4/16 . . . . . . of adjustable type
4/18 . . . . . . having a frame made of metal
4/20 . . . . . . with legs pivotably connected to seat or underframe
4/22 . . . . . . of adjustable type (**A47C 4/24** takes precedence)
4/24 . . . . . . with cross legs
4/26 . . . . . . of adjustable type
4/28 . . . Folding chairs with flexible coverings for the seat or back elements
4/283 . . . {foldable side to side only}
4/286 . . . {foldable side to side and front to back, e.g. umbrella type}
4/30 . . . Attachment of upholstery or fabric to frames (in general **A47C 31/02**)
4/32 . . . having a frame made of wood or plastics
4/34 . . . . . . with legs pivotably connected to seat or underframe
4/36 . . . . . . of adjustable type (**A47C 4/38** takes precedence)
4/38 . . . . . . with cross legs
4/40 . . . . . . of adjustable type
4/42 . . . . . . having a frame made of metal
4/44 . . . . . . with legs pivotably connected to seat or underframe
4/46 . . . . . . of adjustable type (**A47C 4/48** takes precedence)
4/48 . . . . . . with cross legs
4/50 . . . . . . of adjustable type
4/52 . . . Trunk chairs, i.e. chairs collapsible to {self contained carrying case, e.g.} trunk shape (trunk tables **A47B 3/10**)
4/54 . . . Inflatable chairs (connection of valves to inflatable elastic bodies **B60C 29/00**)

**5/00 Chairs of special materials**

5/005 . . . {of paper, cardboard or similar pliable material}
5/006 . . . {of woven material, e.g.} basket chairs
5/007 . . . Metal chairs, e.g. tubular (of rocking type **A47C 3/023**; of non-tubular folding, collapsible, or dismountable type **A47C 4/00**)
5/043 . . . {of tubular non-circular cross-section}
5/046 . . . {of non-tubular cross-section}
5/06 . . . Special adaptation of seat upholstery or fabric for attachment to tubular chairs
5/08 . . . Tubular chairs having sheathed tubes; Adaptation of sheathed tubes thereto
Chairs; Stools; Benches

5/10 . . Tubular chairs of foldable, collapsible, or dismountable type
5/12 . . of plastics, with or without reinforcement
5/125 . . [completely made of foam material]
5/14 . . characterised by the use of laminated wood

7/00 Parts, details, or accessories of chairs or stools
(attach. to floor A47B 91/08)

7/002 . . {Chair or stool bases (A47C 3/20 takes precedence)}
7/004 . . {for chairs or stools with central column, e.g. office chairs}
7/006 . . {with castors}
7/008 . . {for uneven surfaces}
7/02 . . Seats (adaptation of seats to mounting in tubular chairs A47C 5/06; such parts not restricted to chairs A47C 23/00; removable upholstered units or cushions A47C 27/00)
7/021 . . {Detachable or loose seat cushions}

WARNING
Group A47C 7/021 is impacted by reclassification into group A47C 7/0213.
Groups A47C 7/021 and A47C 7/0213 should be considered in order to perform a complete search.

7/0213 . . {detachably secured to seats, e.g. by ties or hook and loop straps}

WARNING
Group A47C 7/0213 is incomplete pending reclassification of documents from group A47C 7/021.
Groups A47C 7/021 and A47C 7/0213 should be considered in order to perform a complete search.

7/024 . . {with double seats}
7/025 . . {Springs not otherwise provided for in A47C 7/22 - A47C 7/35}
7/027 . . {with elastomeric springs (A47C 7/28 takes precedence)}
7/028 . . {with wooden springs, e.g. slated type}
7/029 . . {of non-adjustable shape adapted to a user contour or ergonomic seating positions}

7/14 . . of adjustable shape; elastically mounted [; adaptable to a user contour or ergonomic seating positions (movably-coupled seat and backrests with elastic adjustment means A47C 1/03261; elastically-mounted back-rests or backrest-seat units in the base frame A47C 7/44)]

WARNING
All groups listed in this Warning should be considered in order to perform a complete search.

7/142 . . {by fluid means}

WARNING
Group A47C 7/142 is incomplete pending reclassification of documents from group A47C 7/14.
Groups A47C 7/14 and A47C 7/142 should be considered in order to perform a complete search.

7/144 . . {with array of movable supports}

WARNING
Group A47C 7/144 is incomplete pending reclassification of documents from group A47C 7/14.
Groups A47C 7/14 and A47C 7/144 should be considered in order to perform a complete search.

7/16 . . Seats made of wooden, plastics, or metal sheet material; Panel seats
7/18 . . having foamed material included in cushioning part (foamed material mattresses A47C 27/14)
7/185 . . {with a stiff, rigid support}
7/20 . . with reinforcement {in the foam layer}
7/22 . . Straps or the like for {direct user support or for} carrying upholstery
7/24 . . Upholstered seats (A47C 7/18 takes precedence)
7/26 . . with reinforcement {of the external layer of the upholstery, e.g. vandal resistant}
7/28 . . with tensioned springs, e.g. of flat type
7/282 . . {with mesh-like supports, e.g. elastomeric membranes}
7/285 . . {with metal strips or webs}
7/287 . . {with combinations of different types flat type tensioned springs}
7/30 . . with springs meandering in a flat plane
7/32 . . with tensioned cords, e.g. of elastic type, in a flat plane
7/34 . . with springs in compression, e.g. coiled
7/342 . . {Edge stiffeners}
7/345 . . {of adjustable resilience}
7/347 . . {with means for connecting springs to each other or to seat frame}
Chairs; Stools; Benches

7/35  . . . Combinations of different types of springs; Adjustable springs; Attachment of springs to other springs or to [the base] frame [; Springs for seat parts not provided for in other groups of this subclass]

7/36  . Support for the head or the back

7/38  . . . for the head { (adjustable coupled to reclining or easy chairs A47C 1/036) }

7/383 . . . { Detachable or loose head- or neck-supports, e.g. horse-shoe shaped }

7/386 . . . { Detachable covers for headrests }

7/40  . . . for the back

7/402 . . . { adjustable in height }

7/405 . . . { with double backrests }

7/407 . . . { of collapsible type }

7/42  . . . of detachable { or loose } type

7/425 . . . . . { Supplementary back-rests to be positioned on a back-rest or the like }

7/44  . . . . . with elastically-mounted { back-rest or backrest-seat unit in the base } frame

**WARNING**

Group A47C 7/44 is incomplete pending reclassification of documents from group A47C 7/14.

Group A47C 7/44 is also impacted by reclassification into groups A47C 7/444, A47C 7/445 and A47C 7/4454.

All groups listed in this Warning should be considered in order to perform a complete search.

7/441 . . . . . { with adjustable elasticity }

**WARNING**

Group A47C 7/441 is incomplete pending reclassification of documents from group A47C 7/14.

Groups A47C 7/14 and A47C 7/441 should be considered in order to perform a complete search.

7/443 . . . . . { with coil springs }

**WARNING**

Group A47C 7/443 is incomplete pending reclassification of documents from group A47C 7/14.

Group A47C 7/443 is also impacted by reclassification into group A47C 7/444.

Groups A47C 7/14, A47C 7/443 and A47C 7/444 should be considered in order to perform a complete search.

7/444 . . . . . { of torsion type }

**WARNING**

Group A47C 7/444 is incomplete pending reclassification of documents from groups A47C 7/14, A47C 7/44 and A47C 7/443.

All groups listed in this Warning should be considered in order to perform a complete search.

7/445 . . . . . { with bar or leaf springs }

**WARNING**

Group A47C 7/445 is incomplete pending reclassification of documents from groups A47C 7/14 and A47C 7/44.

Group A47C 7/445 is also impacted by reclassification into group A47C 7/4454.

All groups listed in this Warning should be considered in order to perform a complete search.

7/446 . . . . . { with fluid springs }

**WARNING**

Group A47C 7/446 is incomplete pending reclassification of documents from group A47C 7/14.

Groups A47C 7/14 and A47C 7/446 should be considered in order to perform a complete search.

7/448 . . . . . { with resilient blocks }

**WARNING**

Group A47C 7/448 is incomplete pending reclassification of documents from group A47C 7/14.

Groups A47C 7/14 and A47C 7/448 should be considered in order to perform a complete search.

7/46  . . . with special, e.g. adjustable {, lumbar region support} profile; "Ackerblom" profile chairs

7/462 . . . . . { adjustable by mechanical means }

7/465 . . . . . { by pulling an elastic cable }

7/467 . . . . . { adjustable by fluid means }

7/48  . . . . . of freely-rotatable type

7/50  . Supports for the feet or the legs { coupled to fixed parts of the chair } (coupled to other adjustable parts of the reclining or easy chair) A47C 1/034, A47C 1/037; { stand-alone rests or supports for the feet or the legs, e.g. } footstools A47C 16/02

7/503 . . . . . { with double foot-rests or leg-rests }

7/506 . . . . . { of adjustable type }

**WARNING**

Group A47C 7/506 is impacted by reclassification into groups A47C 7/5062, A47C 7/5064, A47C 7/5066 and A47C 7/5068.

All groups listed in this Warning should be considered in order to perform a complete search.
A47C

WARNING
Group A47C 7/5062 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5062 should be considered in order to perform a complete search.

WARNING
Group A47C 7/5064 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5064 should be considered in order to perform a complete search.

WARNING
Group A47C 7/5066 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5066 should be considered in order to perform a complete search.

WARNING
Group A47C 7/5068 is impacted by reclassification into groups A47C 7/541, A47C 1/03, A47C 1/0303, A47C 1/0305, A47C 1/0307 and A47C 1/0308. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/543 is impacted by reclassification into groups A47C 7/541, A47C 1/03, A47C 1/0303, A47C 1/0305, A47C 1/0307 and A47C 1/0308. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/546 is impacted by reclassification into groups A47C 7/541, A47C 1/03, A47C 1/0303, A47C 1/0305, A47C 1/0307 and A47C 1/0308. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/62 is impacted by reclassification into groups A47C 7/622, A47C 7/624, A47C 7/626 and A47C 7/628. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/622 is impacted by reclassification into groups A47C 7/62, A47C 7/68 and A47C 7/70. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/624 is impacted by reclassification into groups A47C 7/62, A47C 7/68 and A47C 7/70. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/54 is impacted by reclassification into groups A47C 7/541, A47C 1/03, A47C 1/0303, A47C 1/0305 and A47C 1/0307. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/541 is incomplete pending reclassification of documents from groups A47C 1/03, A47C 7/54, A47C 7/543 and A47C 7/546. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/542 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5062 should be considered in order to perform a complete search.

WARNING
Group A47C 7/542 is impacted by reclassification into groups A47C 7/541, A47C 1/03, A47C 1/0303, A47C 1/0305, A47C 1/0307 and A47C 1/0308. All groups listed in this Warning should be considered in order to perform a complete search.

WARNING
Group A47C 7/543 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5062 should be considered in order to perform a complete search.

WARNING
Group A47C 7/544 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5062 should be considered in order to perform a complete search.

WARNING
Group A47C 7/546 is incomplete pending reclassification of documents from group A47C 7/506. Groups A47C 7/506 and A47C 7/5062 should be considered in order to perform a complete search.
Chairs; Stools; Benches

7/626 . . . [directly under the seat]

WARNING

Group A47C 7/626 is incomplete pending reclassification of documents from groups A47C 7/62, A47C 7/68 and A47C 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/628 . . . [accessible by displacement of seat]

WARNING

Group A47C 7/628 is incomplete pending reclassification of documents from groups A47C 7/62, A47C 7/68 and A47C 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/64 . . . Hat or coat holders

7/66 . . . Means to protect against weather

WARNING

Group A47C 7/66 is impacted by reclassification into groups A47C 7/664 and A47C 7/666.
Groups A47C 7/66, A47C 7/664 and A47C 7/666 should be considered in order to perform a complete search.

7/664 . . . [of umbrella type]

WARNING

Group A47C 7/664 is incomplete pending reclassification of documents from group A47C 7/66.
Groups A47C 7/66 and A47C 7/664 should be considered in order to perform a complete search.

7/666 . . . [of enclosure type with side panels]

WARNING

Group A47C 7/666 is incomplete pending reclassification of documents from group A47C 7/66.
Groups A47C 7/66 and A47C 7/666 should be considered in order to perform a complete search.

7/68 . . . Arm-rest tables; [: or back-rest tables]

WARNING

Group A47C 7/68 is incomplete pending reclassification of documents from group A47B 3/00.
Group A47C 7/68 is also impacted by reclassification into groups A47C 7/622, A47C 7/624, A47C 7/626 and A47C 7/628.
All groups listed in this Warning should be considered in order to perform a complete search.

7/70 . . . of foldable type

WARNING

Group A47C 7/70 is impacted by reclassification into groups A47C 7/705, A47C 7/622, A47C 7/624, A47C 7/626 and A47C 7/628.
All groups listed in this Warning should be considered in order to perform a complete search.

7/705 . . . [of detachable type]

WARNING

Group A47C 7/705 is incomplete pending reclassification of documents from group A47C 7/70.
Groups A47C 7/70 and A47C 7/705 should be considered in order to perform a complete search.

7/72 . . . Adaptations for incorporating lamps, radio sets, bars, telephones, ventilation, heating or cooling arrangements or the like

WARNING

Group A47C 7/72 is impacted by reclassification into groups A47C 7/723 and A47C 7/727.
Groups A47C 7/72, A47C 7/723 and A47C 7/727 should be considered in order to perform a complete search.

7/723 . . . [with display screens]

WARNING

Group A47C 7/723 is incomplete pending reclassification of documents from group A47C 7/72.
Groups A47C 7/72 and A47C 7/723 should be considered in order to perform a complete search.

7/725 . . . [for illumination, e.g. lamps]

7/727 . . . [with speakers]

WARNING

Group A47C 7/727 is incomplete pending reclassification of documents from group A47C 7/72.
Groups A47C 7/72 and A47C 7/727 should be considered in order to perform a complete search.

7/74 . . . for ventilation, heating or cooling [(actuated by rocking the chair A47C 3/02)]

7/742 . . . . . . [for ventilating or cooling (A47C 31/116 takes precedence)]

7/744 . . . . . . [with active means, e.g. by using air blowers or liquid pumps]

7/746 . . . . . . [without active means, e.g. with openings or heat conductors]

7/748 . . . . . . [for heating]

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8
9/00 **Stools for specified purposes** (with rotatable seats A47C 3/18; with vertically adjustable seats A47C 3/20; footstools A47C 16/02; prayer stools A47C 16/04; platforms or seat-boxes specially adapted for angling A01K 97/22) [other seating furniture for specified purposes A47C 15/004])

9/002 . . . [with exercising means or having special therapeutic or ergonomic effects]
9/005 . . . [with forwardly inclined seat, e.g. with a knee-support]
9/007 . . . [High stools, e.g. bar stools (children’s high chairs A47D 1/00)]
9/02 . Office stools [not provided for in main groups A47C 1/00, A47C 3/00 or A47C 7/00]; Workshop stools
9/022 . . . [movably mounted on a working-table or the like (for hairdressers A47C 1/08)]
9/025 . . . [Stools for standing or leaning against, e.g. in a semi-standing or half-seated position]
9/027 . . . [Stools for work at ground level]
9/04 . Milking stools
9/06 . Wall stools (; Stools hingedly mounted against the wall)
9/08 . Music stools
9/10 . Camp, travelling, or sports stools (walking sticks or umbrellas convertible into seats, hunting sticks A45B 5/00)
9/105 . . . [having several foldable or detachable legs converging in one point]

11/00 **Benches not otherwise provided for** (school forms A47B 39/00)
11/005 . . . [having multiple separate seats]
11/02 . Church benches; Confessionals

12/00 **Step-stools**

**NOTE**

Folding or collapsing actions, of interest apart from any conversion between the step and seat functions, are classified in group A47C 4/00

12/02 . requiring conversion between the step and seat functions

13/00 **Convertible chairs, stools or benches** (step-stools requiring conversion between the step and seat functions A47C 12/02)

13/005 . . . [Modular seating (chairs connectible into a row A47C 1/124)]

15/00 **Other seating furniture** (school forms A47B 39/00)
15/002 . . . [Corner seating furniture, e.g. corner sofas (changing corner couches into double bed A47C 17/36)]
15/004 . . . [Seating furniture for specified purposes not covered by main groups A47C 1/00 or A47C 9/00]
15/006 . . . [Floating seats (floatable vessel furniture for life-saving B63C 9/30)]
15/008 . . . [for sexual intercourse]

16/00 **(Stand-alone) rests or supports for feet, legs, arms, back or head** (associated with chairs A47C 7/00; associated with beds or sofas A47C 20/00)
16/005 . . . [Back-rests]
16/02 . Footstools; Foot-rests; Leg-rests
16/025 . . . [adjustable, swivelling, rocking]

16/04 . Prayer-stools; Kneeling stools; Kneeling supports (hassocks or pouffes A47C 3/16)

**Sofas; Beds**

**NOTE**

In groups A47C 17/00 - A47C 27/00, the following terms or expressions are used with the meaning indicated:
- “bedstead” is used only for the frame of a bed;
- “bed” includes bedsteads combined with spring mattresses, stuffed mattresses, or similar means to enable the lying of persons thereon;
- “spring mattresses” do not include any stuffed material;
- “stuffed mattresses” may include metal springs.

17/00 **Sofas; Couches; Beds** (bedsteads A47C 19/00; spring mattresses A47C 23/00; divan bases A47C 23/00; stuffed mattresses A47C 27/00; beds with special provisions for nursing A61G 7/00)
17/02 . . . Sofas, couches, settees, or the like, without movable parts
17/04 . . . [Seating furniture, e.g. sofas, couches, settees, or the like, with movable parts (changeable to beds);] Chair beds
17/045 . . . [Seating furniture having loose or by fabric hinge connected cushions changeable to beds]
17/12 . . . changeable to beds by tilting or extending the arm-rests
17/13 . . . [Seating furniture having non-movable backrest] changeable (to beds) by increasing the available (seat) part, e.g. by drawing (seat cushion) forward
17/132 . . . [with multiple seat cushions]
17/134 . . . [by lifting or tilting]
17/136 . . . [with a single seat cushion]
17/138 . . . [by lifting or tilting]
17/14 . . . changeable to beds by removing parts only
17/16 . . . [Seating furniture] changeable to beds by tilting or pivoting the back-rest
17/161 . . . [with back-rest made of multiple movable cushions]
17/162 . . . [with adjustable back-rest]
17/163 . . . [and a foot-rest]
17/165 . . . with forward tiltable back-rest, e.g. back cushion
17/1655 . . . [forming top surface of the bed with non-rotatable seat cushion]
17/17 . . . with coupled movement of back-rest and seat
17/175 . . . with tilting or lifting seat-back-rest pivot
17/1753 . . . [by sliding, e.g. by rollers]
17/1756 . . . [by pivoted linkages]
17/18 . . . and tilting or pivoting the arm-rest
17/20 . . . thereby uncovering one or more auxiliary parts previously hidden (A47C 17/22 takes precedence)
17/207 . . . with seat cushion consisting of [multiple] superposed parts, at least one lower [hidden] part being used to form part of the (bed) surface
17/2073 . . . [by sliding forward]
17/2076 . . . [by lifting or tilting]
17/213 . . . the surface, when used for lying down [in a bed position], consisting of one side of the (seating furniture) seat frame and the back-rest frame
Sofas; Beds

17/22 . . . [Seating furniture having non-movable back-rest changeable to beds] with means for uncovering a previously hidden mattress or similar bed part
17/225 . . . [with hidden separate full size mattress frame unfolded out of the base frame]
17/23 . . . the lying down [bed] surface partly consisting of one side of the seat
17/24 . . . with only one movable part being tiltable about a horizontal axis
17/26 . . . . . . tiltable to an overturned position
17/28 . . . . . . having means to lift the tilting axis
17/30 . . . . . . two or more parts being rotatable about a vertical axis
17/32 . . . . . . Changing a single bed into a double bed by extending, pivoting, or tilting a previously hidden second mattress or other bed part
17/34 . . . . . . Joining seats, chairs, or couches to form beds
17/36 . . . . . . Changing corner couches into a double bed
17/37 . . . . . . Changing sofas or the like into beds by means of furniture other than seats or chairs
17/38 . . . Wall beds
17/40 . . . . . . having balancing members, e.g. weights, springs
17/42 . . . . . . having supporting legs with fixed position on the floor, e.g. attached thereto
17/44 . . . . . . having means on the supporting legs facilitating the removal of the bed from its place
17/46 . . . . . . characterised by a rigid mattress-supporting member
17/48 . . . . . . characterised by two or more relatively-movable [mattress-support] parts
17/50 . . . . . . characterised by their shape, e.g. multiple-wall beds
17/52 . . . . . . Cabinet beds; Table beds, or like beds; Wardrobe beds
17/54 . . . . . . in which the cabinet or the like is tilted with the bed
17/56 . . . . . . pivotable on both horizontal and vertical axis
17/58 . . . . . . with extensible mattress support
17/60 . . . . . . the cabinet being essentially changed in shape in sleeping position of the bed
17/62 . . . . . . Table beds; Billiard table beds, or like beds ([convertible tables A47B 85/06])
17/64 . . . . . . Travelling or camp beds (adjusting members for rests A47C 20/00; travelling or camp sacks or packs convertible into beds or mattresses A43F 4/06; stretchers A61G 1/00)
17/645 . . . . . . [dismountable]
17/66 . . . . . . having specially-adapted body-carrying surfaces
17/68 . . . . . . only the legs being foldable
17/70 . . . . . . the bed frame being foldable about a horizontal axis
17/705 . . . . . . [with detachable legs]
17/72 . . . . . . having cross legs (A47C 17/82 takes precedence)
17/74 . . . . . . the bed being foldable about a vertical axis
17/76 . . . . . . having extensible, e.g. telescopic parts
17/78 . . . . . . held in shape by stressed cords
17/80 . . . . . . adapted to be used in or connected to vehicles
17/82 . . . . . . Trunk beds; Travelling-case or like beds
17/84 . . . . . . Suspended beds, e.g. suspended from ceiling (hammocks A45F 3/22)
17/86 . . . . . . Parts or details for beds, sofas or couches only not fully covered in a single one of the sub-groups A47C 17/02, A47C 17/04, A47C 17/38, A47C 17/52, A47C 17/64, or A47C 17/84; [Drawers in or under beds]

19/00 Bedsteads (spring mattresses with rigid frame or forming part of the bedstead A47C 23/00; bed jointing members or fittings for bedsteads F16B)
19/005 . . . [dismountable]
19/002 . . . Parts or details of bedsteads not fully covered in a single one of the following subgroups, e.g. bed rails, post rails
19/021 . . . . . . [Bedstead frames]
19/022 . . . . . . . . . [Head or foot boards]
19/024 . . . . . . [Legs]
19/025 . . . . . . [Direct mattress support frames, Cross-bars]
19/027 . . . . . . . . [with means for preventing frame from sagging]
19/028 . . . . . . [for joining separate bedsteads]
19/04 . . . . . . Extensible bedsteads, e.g. with adjustment of length, width, height (for children's beds A47D 7/00)
19/045 . . . . . . [with entire frame height or inclination adjustments]
19/12 . . . . . . Folding bedsteads (travelling or camp beds A47C 17/64)
19/122 . . . . . . . . . [foldable head to foot only]
19/124 . . . . . . . . . [foldable side to side only]
19/126 . . . . . . . . . [foldable side to side and head to foot, e.g. umbrella type]
19/128 . . . . . . . . [only legs being foldable]
19/14 . . . . . . . . of the lazy-tongs type
19/20 . . . . . . Multi-stage bedsteads: [e.g. bunk beds] (multi-wall beds A47C 17/50; suspended beds A47C 17/84); Bedsteads stackable to multi-stage bedsteads
19/202 . . . . . . [Stacking or nesting bedsteads]
19/205 . . . . . . [convertible, e.g. from single bed or sofa]
19/207 . . . . . . [Mezzanine beds]
19/22 . . . . . . Combinations of bedsteads with other furniture or with accessories, e.g. with bedside cabinets (bed-tables A47B 23/00; bedside cabinets A47B 79/00])

20/00 Head-, foot-, or like rests for beds, sofas or the like (book rests or bed tables A47B 23/00; bed-rests specially adapted for nursing A61G 7/065)
20/02 . . . . . . of detachable [or loose] type (A47C 20/04; A47C 20/08; take precedence; [for chairs A47C 700; pillows A47G 9/10])
20/021 . . . . . . [Foot or leg supports]
20/022 . . . . . . . . . [for preventing the user from slipping down]
20/023 . . . . . . . . [Arm supports]
20/025 . . . . . . [Supports specially adapted for pregnant women]
20/026 . . . . . . [Supports for lying in a prone position (A47C 20/025 takes precedence)]
20/027 . . . . . . [Back supports, e.g. for sitting in bed]
20/028 . . . . . . . . . [with a table attached thereto]
20/04 . . . . . . [with adjustable inclination (A47C 20/08 takes precedence)]
20/041 . . . . . . [by electric motors]
20/042 . . . . . . [by means of screw-and-nut mechanism]
20/043 . . . . . . [by means of peg-and-notch or pawl-and-ratchet mechanism]
20/045 . . . [urged into an operative or non-operative position at an end of stretch]
20/046 . . . [by means of a rack-and-pinion or like gearing mechanism]
20/047 . . . [by friction locking means]
20/048 . . . [by fluid means]
20/06 . . . the adjustable part immobilising foldable legs
20/08 . . . with means for adjusting two or more rests simultaneously
20/10 . . . using rods
20/12 . . . using telescopic rods
20/14 . . . using plate and catch
20/16 . . . using toothed parts, e.g. racks
20/18 . . . using friction gearing

21/00 *Attachments for beds, e.g. sheet holders, bed-cover holders* (bed tables supported on the bedstead A47B 23/02; for children's beds {A47D 7/00}. A47D 15/00): Ventilating, cooling or heating means in connection with bedsteads or mattresses

21/003 . . . [Lighting, radio, telephone or the like connected to the bedstead]
21/006 . . . [Oscillating, balancing or vibrating mechanisms connected to the bedstead (for children's beds A47D 9/02)]
21/02 . . . [Holders for loose bed elements, e.g.] sheet holders; bed cover holders
21/022 . . . [Sheet holders; Bed cover holders]
21/024 . . . [for holding bed covers above the body of the user (bed-clothes supports to alleviate the weight of the bed-clothes on the patient A61G 7/0501)]
21/026 . . . [Pillow holders; Mattress holders]
21/028 . . . [Holders for facilitating making the bed]
21/04 . . . [Devices for ventilating, cooling or heating]
21/042 . . . [for ventilating or cooling (A47C 21/028 and A47C 23/007 take precedence)]
21/044 . . . [with active means, e.g. by using air blowers or liquid pumps]
21/046 . . . [without active means, e.g. with openings or heat conductors]
21/048 . . . [for heating]
21/06 . . . [Mattress underlays (mattress tickings or covers A47C 27/002)]
21/08 . . . [Devices for prevention against falling-out, e.g. detachable sidewalls (for children's beds A47D 7/00)]

23/00 *Spring mattresses with rigid frame or forming part of the bedstead, e.g. box springs; Divan bases; Slatted bed bases*

23/002 . . . [with separate resilient support elements, e.g. elastomeric springs arranged in a two-dimensional matrix pattern]
23/005 . . . [foldable or dismountable]
23/007 . . . [Edge stiffeners (for chair seats A47C 7/342; for stuffed mattresses A47C 27/06)]
23/02 . . . using leaf springs, e.g. metal strips (wooden springs A47C 23/06)
23/04 . . . using springs in compression, e.g. coiled
23/043 . . . using wound springs
23/0431 . . . [supporting a flat board or strip]
23/0433 . . . [of different resilience]
23/0435 . . . [of adjustable resilience]
Sofas; Beds

27/045 . . . Attachment of spring inlays to coverings (upholstery attaching means A47C 31/02); Use of stiffening sheets, lattices or grids [in, on, or] under spring inlays
27/0453 . . . [Attachment of spring inlays to outer layers]
27/0456 . . . [Use of stiffening sheets, lattices or grids in, on, or under, spring inlays]
27/05 . . . with {padding material, e.g.} foamed material, in top, bottom, or side layers
27/053 . . . [with only one layer of foamed material]
27/056 . . . [with different layers of foamed material]
27/06 . . . Spring inlays
27/061 . . . [of adjustable resiliency]
27/062 . . . [of different resiliencies]
27/063 . . . [wrapped or otherwise protected]
27/064 . . . . {Pocketed springs}
27/065 . . . . [of special shape]
27/066 . . . . [Edge stiffeners]
27/067 . . . . [of plane meandering type]
27/068 . . . . [made from a single wire]
27/07 . . . . Attaching, or interconnecting of, springs in spring inlays
27/08 . . . Fluid mattresses {or cushions} (connecting valves to inflatable elastic bodies B60C 29/00)
27/081 . . . . [of pneumatic type]
27/082 . . . . [with non-manual inflation, e.g. with electric pumps]
27/083 . . . . [with pressure control, e.g. with pressure sensors]
27/084 . . . . [self inflating]
27/085 . . . . [of liquid type, e.g. filled with water or gel]
27/086 . . . . [with fluid-like particles, e.g. filled with beads]
27/087 . . . . [with means for connecting opposite sides, e.g. internal ties or strips]
27/088 . . . . [incorporating elastic bodies, e.g. foam]
27/10 . . . . with two or more independently-fillable chambers
27/12 . . . . with fibrous inlays, e.g. made of wool, of cotton
27/121 . . . . [with different inlays]
27/122 . . . . [with special fibres, such as acrylic thread, coconut, horsehair]
27/124 . . . . [with feathers, down or similar inlays]
27/125 . . . . [with projections, depressions or cavities]
27/127 . . . . [with reinforcement sheets, grids or the like]
27/128 . . . . [with inflatable elements]
27/14 . . . . with foamed material inlays
27/142 . . . . [with projections, depressions or cavities]
27/144 . . . . [inside the mattress or cushion]
27/146 . . . . [on the outside surface of the mattress or cushion]
27/148 . . . . [of different resiliency]
27/15 . . . . consisting of two or more layers (A47C 27/16 takes precedence)
27/16 . . . . [reinforced with sheet-like [or rigid] elements, e.g. profiled]
27/18 . . . . in combination with inflatable bodies
27/20 . . . . with springs moulded in, or situated in [cavities or] openings in foamed material
27/22 . . . . with both fibrous and foamed material inlays
29/00 . . . Nets for protection against insects in connection with chairs or beds (insect nets for animals A01K 13/00; insect nets as travelling equipment A45F 3/52); Bed canopies
29/003 . . . [Bed canopies]
29/006 . . . [Mosquito nets]
31/00 . . . Details or accessories for chairs, beds, or the like, not provided for in other groups of this subclass, e.g. upholstery fasteners, mattress protectors, stretching devices for mattress nets
31/001 . . . [Fireproof means]
31/002 . . . [Anti-earthquake means]
31/003 . . . [Magnets]
31/004 . . . [Means for protecting against undesired influence, e.g. magnetic radiation or static electricity]
31/005 . . . [Use of aromatic materials, e.g. herbs]
31/006 . . . [Use of three-dimensional fabrics]
31/007 . . . [Anti-mite, anti-allergen or anti-bacterial means]
31/008 . . . [Use of remote controls]
31/02 . . . Upholstery attaching means (quilting, quilting means, fastening, fixing or finishing upholstery B68G 7/00)
31/023 . . . [connecting upholstery to frames, e.g. by hooks, clips, snap fasteners, clamping means or the like]
31/026 . . . [passing through the upholstery, e.g. upholstery nails or buttons]
31/04 . . . . Clamps for attaching flat elastic strips or flat meandering springs to frames
31/06 . . . . for attaching flat meandering springs
31/08 . . . . Mattress hand-straps {, hand-grips or the like]
31/10 . . . . Loose {or removable} furniture covers
31/105 . . . . [for mattresses]
31/11 . . . . for chairs {for headrests only A47C 7/386; removable protective covers for car seats B60N 22/00}
31/113 . . . . [liquid-impermeable]
31/116 . . . . [permeable to liquid or air in a special way]
31/12 . . . . Means, e.g. measuring means for adapting chairs, beds or mattresses to the shape or weight of persons (body measuring means for clothing manufacture A41H 1/00)
31/123 . . . . [for beds or mattresses]
31/126 . . . . [for chairs]