

CPC COOPERATIVE PATENT CLASSIFICATION

F16M FRAMES, CASINGS, OR BEDS OF ENGINES OR OTHER MACHINES OR APPARATUS NOT SPECIFIC TO AN ENGINE, MACHINE, OR APPARATUS PROVIDED FOR ELSEWHERE; STANDS OR SUPPORTS

NOTE

Attention is drawn to the following places:

[B21B 31/02](#)

Metal-rolling stand frames

[G01D 11/30](#)

Supports specially adapted for indicating or recording instruments.

1/00	Frames or casings of engines, machines or apparatus; Frames serving as machinery beds	11/041	. . . {Allowing quick release of the apparatus}
1/02	. for reciprocating engines or similar machines		WARNING
1/021	. . for housing crankshafts		This group is not complete pending reclassification; see also group F16M 11/04
1/022	. . . of tunnel type, i.e. wherein the crankshaft can only be introduced axially (for engines or machines with star-shaped cylinder arrangement F16M 1/023)	11/043	. . . {Allowing translations}
1/023	. . . specially adapted for engines or machines with star-shaped cylinder arrangement		WARNING
1/024	. . . facilitating assembly of power-transmitting parts of engines or machines, e.g. of connecting-rods		This group is not complete pending reclassification; see also group F16M 11/04
1/025	. . . Assembling bearings in casings, e.g. having anchor bolts	11/045	. . . . {adapted to left-right translation movement}
1/026	. . for housing movable engine or machine parts other than crankshafts, e.g. valve-gear housings		WARNING
1/04	. for rotary engines or similar machines		This group is not complete pending reclassification; see also group F16M 11/04
1/08	. characterised by being built-up of sheet material or welded parts	11/046	. . . . {adapted to upward-downward translation movement}
3/00	Portable or wheeled frames or beds, e.g. for emergency power-supply aggregates, compressor sets (construction of vehicles in general B60 - B62)		WARNING
5/00	Engine beds, i.e. means for supporting engines or machines on foundations		This group is not complete pending reclassification; see also group F16M 11/04 and F16M 11/24
7/00	Details of attaching or adjusting engine beds, frames, or supporting-legs on foundation or base; Attaching non-moving engine parts, e.g. cylinder blocks (elastic or equivalent mounting for absorbing vibrations F16F, especially F16F 15/04)	11/048	. . . . {adapted to forward-backward translation movement}
9/00	Special layout of foundations with respect to machinery to be supported (foundations for machinery E02D 27/44)		WARNING
11/00	Stands or trestles as supports for apparatus or articles placed thereon {Stands for scientific apparatus such as gravitational force meters} (without heads F16K 13/00; easels or stands for blackboard or the like A47B 97/04; show-stands A47F 7/00; for workmen E04G 1/32; {sockets or holders for poles or posts E04H 12/22}; supporting, suspending for lighting devices F21V 21/00; special modifications for particular apparatus or articles, see the appropriate subclasses)	11/06	. . . allowing pivoting
11/02	. Heads	11/08	. . . . around a vertical axis, {e.g. panoramic heads (F16M 11/12 takes precedence)}
11/04	. . Means for attachment of apparatus; Means allowing adjustment of the apparatus relatively to the stand	11/10	. . . . around a horizontal axis {(F16M 11/12 takes precedence)}
		11/105	. . . . . {the horizontal axis being the roll axis, e.g. for creating a landscape-portrait rotation}
			WARNING
			Not complete; see also F16M 11/10
		11/12	. . . . in more than one direction

11/121	. . . . . {constituted of several dependent joints} WARNING This group is not complete pending reclassification; see also group F16M 11/12	11/2021	. . . . {around a horizontal axis (F16M 11/2035 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/10
11/123	. . . . . {the axis of rotation intersecting in a single point, e.g. by using gimbals} WARNING This group is not complete pending reclassification; see also group F16M 11/12	11/2028	. . . . {for rolling, i.e. for creating a landscape-portrait rotation} WARNING Not complete; see also F16M 11/10
11/125	. . . . . {for tilting and rolling (F16M 11/14 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12	11/2035	. . . . {in more than one direction} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/126	. . . . . {for tilting and panning (F16M 11/14 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12	11/2042	. . . . {constituted of several dependent joints} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/128	. . . . . {for panning and rolling (F16M 11/14 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12	11/205	. . . . . {the axis of rotation intersecting in a single point, e.g. gimbals} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/14	. . . . . with ball-joint (ball-jointed hinges F16C 11/06 {adjustable mountings employing universal joints for lighting devices F21V 21/26 - F21V 21/30 })	11/2057	. . . . . {for tilting and rolling (F16M 11/2078 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/16	. . Details concerning attachment of head-supporting legs, with or without actuation of locking members thereof	11/2064	. . . . . {for tilting and panning (F16M 11/2078 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/18	. . with mechanism for moving the apparatus relatively to the stand	11/2071	. . . . . {for panning and rolling (F16M 11/2078 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/12
11/20	. Undercarriages with or without wheels	11/2078	. . . . . {with ball-joint (ball-jointed hinges F16C 11/06)}
11/2007	. . {comprising means allowing pivoting adjustment} WARNING This group is not complete pending reclassification; see also group F16M 11/06 , F16M 11/08 , F16M 11/10 , F16M 11/12 , F16M 11/14 depending on the type of movement allowed		WARNING This group is not complete pending reclassification; see also group F16M 11/14
11/2014	. . . {around a vertical axis (F16M 11/2035 takes precedence)} WARNING This group is not complete pending reclassification; see also group F16M 11/08		

11/2085	. . {comprising means allowing sideward adjustment, i.e. left-right translation of the head relatively to the undercarriage}	11/425	. . {along guiding means}
	WARNING		WARNING
	This group is not complete pending reclassification; see also group F16M 11/04		This group is not complete pending reclassification; see also group F16M 11/42
11/2092	. . {comprising means allowing depth adjustment, i.e. forward-backward translation of the head relatively to the undercarriage}	13/00	Other supports for positioning apparatus or articles (heads thereof F16M 11/02 ; {undercarriages thereof F16M 11/20 }; adapted to be stuck in the ground A45F 3/44 ; {sockets or holders for poles or posts E04H 12/22 }); Means for steadying hand-held apparatus or articles ({supports for measuring instruments G01D 11/30 ; supports for casings of remote control switching devices H01H 9/025 })
	WARNING	13/005	. {integral with the apparatus or articles to be supported}
	This group is not complete pending reclassification; see also group F16M 11/04 and F16M 11/38		WARNING
11/22	. . with approximately constant height, e.g. with constant length of column or of legs (F16M 11/42 takes precedence)		This group is not complete pending reclassification; see also group F16M 13/00
11/24	. . changeable in height or length of legs, also for transport only, {e.g. by means of tubes screwed into each other} (F16M 11/42 takes precedence)	13/02	. for supporting on, or attaching to, an object, e.g. tree, gate, window-frame, cycle
11/242	. . . {by spreading of the legs (F16M 11/32 takes precedence)}	13/022	. . {repositionable}
	WARNING		WARNING
	This group is not complete pending reclassification; see also group F16M 11/24 or F16M 11/32		This group is not complete pending reclassification; see also group F16M 13/02
11/245	. . . . {Members limiting spreading of legs, e.g. "umbrella legs" (for supports with three or more telescoping legs F16M 11/34)}	13/025	. . {Corner supports}
	WARNING		WARNING
	this group is not complete pending a reorganisation, see also F16M 11/24 and F16M 11/34		This group is not complete pending reclassification; see also group F16M 13/02
11/247	. . . . {Members preventing slipping of the feet (for supports with three or more telescoping legs F16M 11/36)}	13/027	. . {Ceiling supports}
	WARNING		WARNING
	this group is not complete pending a reorganisation, see also F16M 11/24 and F16M 11/36		this group is not complete pending a reorganisation, see also F16M 13/02
11/26	. . . by telescoping, with or without folding (details concerning the constructional features of telescoping parts only F16B 7/10)	13/04	. for supporting on, or holding steady relative to, a person, e.g. by chains, {e.g. rifle butt or pistol grip supports, supports attached to the chest or head (apparatus or arrangements for taking photographs or for projecting or viewing them G03B)}
11/28	. . . . Undercarriages for supports with one single telescoping pillar	13/06	. also serviceable for other purposes, e.g. to be used as spade, chair, ski-stick
11/30	. . . . . with co-moving side-struts	13/08	. . for use as a walking-cane
11/32	. . . . Undercarriages for supports with three or more telescoping legs	2200/00	Details of stands or supports
11/34	. . . . . Members limiting spreading of legs, {e.g. "umbrella legs"}	2200/02	. Locking means
11/36	. . . . . Members preventing slipping of the feet	2200/021	. . for rotational movement
11/38	. . . by folding, {e.g. pivoting or scissors tong mechanisms}	2200/022	. . . by friction
11/40	. . . by means of coilable or bendable legs {or spiral shaped legs}	2200/024	. . . by positive interaction, e.g. male-female connections
11/42	. with arrangement for propelling the support {stands on wheels}	2200/025	. . for translational movement
		2200/027	. . . by friction
		2200/028	. . . by positive interaction, e.g. male-female connections
		2200/04	. Balancing means
		2200/041	. . for balancing rotational movement of the head
		2200/042	. . . for panning movement
		2200/044	. . for balancing rotational movement of the undercarriage
		2200/045	. . . for panning movement

- 2200/047 . . for balancing translational movement of the head
- 2200/048 . . for balancing translational movement of the undercarriage
- 2200/06 . Arms
- 2200/061 . . Scissors arms
- 2200/063 . . Parallelogram arms
- 2200/065 . . with a special structure, e.g. reinforced or adapted for space reduction
- 2200/066 . . being part of the head
- 2200/068 . . being part of the undercarriage
- 2200/08 . Foot or support base