

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.

F16M 1/00

Frames or casings of engines, machines or apparatus; Frames serving as machinery beds

F16M 1/02

. for reciprocating engines or similar machines

F16M 1/021

.. for housing crankshafts

F16M 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](#))

F16M 1/023

... specially adapted for engines or machines with star-shaped cylinder arrangement

F16M 1/024

... facilitating assembly of power-transmitting parts of engines or machines, e.g. of connecting-rods

F16M 1/025

... Assembling bearings in casings, e.g. having anchor bolts

F16M 1/026

.. for housing movable engine or machine parts other than crankshafts, e.g. valve-gear housings

F16M 1/04

. for rotary engines or similar machines

F16M 1/08

. characterised by being built-up of sheet material or welded parts

F16M 3/00

Portable or wheeled frames or beds, e.g. for emergency power-supply aggregates, compressor sets([construction of vehicles in general B60 to B62](#))

F16M 5/00

Engine beds, i.e. means for supporting engines or machines on foundations

F16M 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](#))

F16M 9/00

Special layout of foundations with respect to machinery to be supported([foundations for machinery E02D 27/44](#))

F16M 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)
F16M 11/02	. Heads
F16M 11/04	.. Means for attachment of apparatus; Means allowing adjustment of the apparatus relatively to the stand
F16M 11/041	... {Allowing quick release of the apparatus}
	<u>WARNING</u>
	This group is not complete pending reclassification; see also group F16M 11/04
F16M 11/043	... {Allowing translations}
	<u>WARNING</u>
	This group is not complete pending reclassification; see also group F16M 11/04
F16M 11/045	.... {adapted to left-right translation movement}
	<u>WARNING</u>
	This group is not complete pending reclassification; see also group F16M 11/04
F16M 11/046	.... {adapted to upward-downward translation movement}
	<u>WARNING</u>
	This group is not complete pending reclassification; see also group F16M 11/04 and F16M 11/24
F16M 11/048	.... {adapted to forward-backward translation movement}
	<u>WARNING</u>
	This group is not complete pending reclassification; see also group F16M 11/04 and F16M 11/38
F16M 11/06	... allowing pivoting
F16M 11/08	.... around a vertical axis,{e.g. panoramic heads(F16M 11/12 takes precedence)}
F16M 11/10	.... around a horizontal axis [(F16M 11/12 takes precedence)]

F16M 11/105	.....	{the horizontal axis being the roll axis, e.g. for creating a landscape-portrait rotation}
		<u>WARNING</u>
		Not complete; see also F16M 11/10
F16M 11/12	....	in more than one direction
F16M 11/121	.....	{constituted of several dependent joints}
		<u>WARNING</u>
		This group is not complete pending reclassification; see also group F16M 11/12
F16M 11/123	.....	{the axis of rotation intersecting in a single point, e.g. by using gimbals}
		<u>WARNING</u>
		This group is not complete pending reclassification; see also group F16M 11/12
F16M 11/125	.....	{for tilting and rolling(F16M 11/14 takes precedence)}
		<u>WARNING</u>
		This group is not complete pending reclassification; see also group F16M 11/12
F16M 11/126	.....	{for tilting and panning(F16M 11/14 takes precedence)}
		<u>WARNING</u>
		This group is not complete pending reclassification; see also group F16M 11/12
F16M 11/128	.....	{for panning and rolling(F16M 11/14 takes precedence)}
		<u>WARNING</u>
		This group is not complete pending reclassification; see also group F16M 11/12
F16M 11/14	.....	with ball-joint(ball-jointed hinges F16C 11/06){ adjustable mountings employing universal joints for lighting devices F21V 21/26 to F21V 21/30 }
F16M 11/16	..	Details concerning attachment of head-supporting legs, with or without actuation of locking members thereof
F16M 11/18	..	with mechanism for moving the apparatus relatively to the stand [N C1202]
F16M 11/20	.	Undercarriages with or without wheels

F16M 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

F16M 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](#)

F16M 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](#)

F16M 11/2028 {for rolling, i.e. for creating a landscape-portrait rotation}

WARNING

Not complete; see also [F16M 11/10](#)

F16M 11/2035 ... {in more than one direction}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/12](#)

F16M 11/2042 {constituted of several dependent joints}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/12](#)

F16M 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](#)]

F16M 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](#)

F16M 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](#)

F16M 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](#)]

F16M 11/2078 {with ball-joint(ball-jointed hinges [F16C 11/06](#))}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/14](#)]

F16M 11/2085 . . {comprising means allowing sideward adjustment, i.e. left-right translation of the head relatively to the undercarriage}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/04](#)

F16M 11/2092 . . {comprising means allowing depth adjustment, i.e. forward-backward translation of the head relatively to the undercarriage}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/04](#) and [F16M 11/38](#)

F16M 11/22 . . with approximately constant height, e.g. with constant length of column or of legs([F16M 11/42](#) takes precedence)

F16M 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)

F16M 11/242 . . . {by spreading of the legs([F16M 11/32](#) takes precedence)}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/24](#) or [F16M 11/32](#)]

F16M 11/245 {Members limiting spreading of legs, e.g. "umbrella legs"(for supports with three or more telescoping legs [F16M 11/34](#))}

WARNING

this group is not complete pending a reorganisation, see also [F16M 11/24](#) and [F16M 11/34](#)

F16M 11/247 {Members preventing slipping of the feet(for supports with three or more telescoping legs [F16M 11/36](#))}

WARNING

this group is not complete pending a reorganisation, see also [F16M 11/24](#) and [F16M 11/36](#)

F16M 11/26 . . . by telescoping, with or without folding(details concerning the constructional features of telescoping parts only [F16B 7/10](#))

F16M 11/28 Undercarriages for supports with one single telescoping pillar

F16M 11/30 with co-moving side-struts

F16M 11/32 Undercarriages for supports with three or more telescoping legs

F16M 11/34 Members limiting spreading of legs,{e.g. "umbrella legs"}

F16M 11/36 Members preventing slipping of the feet

F16M 11/38 . . . by folding,{e.g. pivoting or scissors tong mechanisms}

F16M 11/40 . . . by means of coilable or bendable legs{or spiral shaped legs}

F16M 11/42 . with arrangement for propelling the support{stands on wheels}

F16M 11/425 . . {along guiding means}

WARNING

This group is not complete pending reclassification; see also group [F16M 11/42](#)]

F16M 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](#))}

F16M 13/005 . {integral with the apparatus or articles to be supported}

WARNING

This group is not complete pending reclassification; see also group [F16M 13/00](#)

F16M 13/02 . for supporting on, or attaching to, an object, e.g. tree, gate, window-frame, cycle

F16M 13/022 .. {repositionable}

WARNING

This group is not complete pending reclassification; see also group [F16M 13/02](#)

F16M 13/025 .. {Corner supports}

WARNING

This group is not complete pending reclassification; see also group [F16M 13/02](#)]

F16M 13/027 .. {Ceiling supports}

WARNING

this group is not complete pending a reorganisation, see also [F16M 13/02](#)

F16M 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](#))}

F16M 13/06 . also serviceable for other purposes, e.g. to be used as spade, chair, ski-stick

F16M 13/08 .. for use as a walking-cane

F16M 2200/00 Details of stands or supports

F16M 2200/02 . Locking means

F16M 2200/021 .. for rotational movement

F16M 2200/022 ... by friction

F16M 2200/024 ... by positive interaction, e.g. male-female connections

F16M 2200/025 .. for translational movement

F16M 2200/027 ... by friction

F16M 2200/028 ... by positive interaction, e.g. male-female connections

F16M 2200/04 . Balancing means

F16M 2200/041 .. for balancing rotational movement of the head

F16M 2200/042 ... for panning movement

F16M 2200/044 .. for balancing rotational movement of the undercarriage

F16M 2200/045 ... for panning movement

F16M 2200/047 .. for balancing translational movement of the head

F16M 2200/048 .. for balancing translational movement of the undercarriage

F16M 2200/06 . Arms

- F16M 2200/061 . . Scissors arms
- F16M 2200/063 . . Parallelogram arms
- F16M 2200/065 . . with a special structure, e.g. reinforced or adapted for space reduction
- F16M 2200/066 . . being part of the head
- F16M 2200/068 . . being part of the undercarriage

- F16M 2200/08 . Foot or support base