

CPC COOPERATIVE PATENT CLASSIFICATION

E FIXED CONSTRUCTIONS

BUILDING

E06 DOORS, WINDOWS, SHUTTERS, OR ROLLER BLINDS IN GENERAL; LADDERS

E06C LADDERS ([E04F 11/00](#) takes precedence; step-stools [A47C 12/00](#); adaptation of ladders to use on ships [B63B](#), to use on aircraft [B64](#); scaffolding [E04G](#))

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.

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|-------|---|-------------|---|
| 1/00 | Ladders in general (mounted on undercarriages or vehicles E06C 5/00 ; permanently attached to fixed structures E06C 9/00) | 1/38 | . . Special constructions of ladders, e.g. ladders with more or less than two longitudinal members, ladders with movable rungs or other treads, longitudinally-foldable ladders |
| 1/005 | . {Ladders in use as furniture or ladders in relation to furniture, e.g. in cupboards (step-stools, chairs or benches requiring conversion between the step and seat functions A47C 12/02)} | 1/381 | . . . {Ladders with rungs or treads attached only to one rigid longitudinal member} |
| 1/02 | . with rigid longitudinal member or members | 1/382 | . . . {Tripod ladders} |
| 1/04 | . . Ladders for resting against objects, e.g. walls poles, trees (supports for ladder heads E06C 7/48) | 1/383 | . . . Foldable ladders in which the longitudinal members are brought together on folding { E06C 9/085 takes precedence} |
| 1/06 | . . . in one piece | 1/3835 | {having collapsible steps comprising a hinge in their central part} |
| 1/08 | . . . multi-part { E06C 1/32 takes precedence} | 1/387 | . . . having tip-up steps |
| 1/10 | Sections fitted end to end | 1/39 | . . . Ladders having platforms; Ladders changeable into platforms (platforms for use on ladders E06C 7/16) |
| 1/12 | extensible, e.g. telescopic | | |
| 1/125 | {with tubular longitudinal members nested within each other} | 1/393 | Ladders having platforms foldable with the ladder |
| 1/14 | . . Ladders capable of standing by themselves | 1/397 | . . . characterised by having wheels, rollers, or runners |
| 1/16 | . . . with {hinged} struts which rest on the ground (with struts rigid with the ladder E06C 1/24 ; having platforms E06C 1/39) | 1/52 | . with non-rigid longitudinal members |
| 1/18 | with supporting struts formed as ladders { E06C 1/32 takes precedence} | 1/525 | . . {made of a continuous strip of material} |
| 1/20 | with supporting struts formed as poles {(stabilising struts E06C 7/423)} | 1/54 | . . of the lazy-tongs type |
| 1/22 | with extensible, e.g. telescopic, ladder parts or struts | 1/56 | . . Rope or chain ladders |
| 1/24 | . . . {Non-hinged} free-standing ladders | 1/58 | . with both rigid and non-rigid longitudinal members |
| 1/26 | in one piece | | |
| 1/28 | multi-part (with movable supporting struts formed as ladders E06C 1/18) | 5/00 | Ladders characterised by being mounted on undercarriages or vehicles Securing ladders on vehicles (ladders having wheels, rollers, or runners E06C 1/397 ; ladders on boats B63B 27/14) |
| 1/30 | extensible, e.g. telescopic | 5/02 | . with rigid longitudinal members |
| 1/32 | . . Ladders with a strut which is formed as a ladder and can be secured in line with the ladder | 5/04 | . . capable of being elevated or extended {Fastening means during transport, e.g. mechanical, hydraulic} |
| 1/34 | . . Ladders attached to structures, such as windows, cornices, poles, or the like ({ E06C 9/12 takes precedence}; ladders permanently fastened to buildings E06C 9/00 , {e.g. climbing irons E06C 9/04 }) | 5/06 | . . . by piston and cylinder, or equivalent means, operated by a pressure medium |
| 1/345 | . . . {specially adapted to be installed parallel to the roof surface} | 5/08 | derived directly from a pressure reservoir |
| 1/36 | . . . Ladders suspendable by hooks or the like {(ladderhooks E06C 7/505)} | 5/10 | charged by a pump or compressor driven by the motor of the vehicle or another motor on the vehicle |
| | | 5/12 | derived directly from a pump or compressor |
| | | 5/14 | driven by the motor of the vehicle or another motor on the vehicle |

- 5/16 . . . using mechanical transmission only, with or without fluid or other non-mechanical couplings or clutches
- 5/18 using power from the motor of the vehicle or another motor
- 5/20 using hand-power ([hand-operated extending means carried by the ladder E06C 7/04](#))
- 5/22 . . . by, or with the assistance of, springs ([E06C 5/06](#), [E06C 5/16](#) take precedence)
- 5/24 . . Dismounting ladders from vehicles {or [supporting means](#)}
- 5/26 . with non-rigid longitudinal members
- 5/28 . . of the lazy-tongs type
- 5/30 . . formed of links which reinforce themselves against each other
- 5/32 . Accessories {, e.g. [brakes on ladders](#)}
- 5/34 . . Indicating devices
- 5/36 . . Safety devices against slipping or falling of ladders; Safety devices against overloading ladders
- 5/38 . . Devices for blocking the springs of the vehicle; Devices for supporting the undercarriage directly from the ground
- 5/40 . . Devices for canting ladders laterally
- 5/42 . . Devices for altering inclination; Latching devices therefor {[Balancing arrangements](#)}
- 5/44 . . Other accessories on ladders, e.g. acoustical signalling devices, dismountable switchboards
- 7/00 Component parts, supporting parts, or accessories**
- 7/003 . {[Indicating devices, e.g. user warnings or inclinators](#)}
- 7/006 . {[Devices for preventing access](#)}
- 7/02 . Extending means ([for ladders mounted on undercarriages or vehicles E06C 5/00](#))
- 7/04 . . Hand-operated extending means carried by the ladder
- 7/06 . Securing devices or hooks for parts of extensible ladders
- 7/08 . Special construction of longitudinal members, or rungs or other treads
- 7/081 . . {[Rungs or other treads comprising anti-slip features](#)}
- 7/082 . . {[Connections between rungs or treads and longitudinal members](#)}
- 7/083 . . . {[Bracket type connection](#)}
- 7/084 . . . {[Rungs comprising projecting tabs or flanges](#)}
- 7/085 . . . {[achieved by deforming the rung or the stile \(E06C 7/084 takes precedence\)](#)}
- 7/086 . . . {[with a connecting piece inserted in a hollow rung \(E06C 7/088 takes precedence\)](#)}
- 7/087 . . . {[with a connecting piece installed around the rung](#)}
- 7/088 . . . {[with tie rods parallel to the rungs](#)}
- 7/10 . Reinforcements for ladders
- 7/12 . Lifts or other hoisting devices on ladders
- 7/14 . Holders for pails or other equipment on or for ladders
- 7/143 . . {[specially adapted to be inserted into the end of a hollow rung](#)}
- 7/146 . . {[made from wire \(E06C 7/143 takes precedence\)](#)}
- 7/16 . Platforms on, or for use on, ladders, e.g. liftable or lowerable platforms ([aspects relating to the lifting B66F](#))
- 7/165 . . {[specially adapted to be fixed to only one rung](#)}
- 7/18 . Devices for preventing persons from falling ([life-saving belts A62B 1/16](#) {; [safety devices for window-cleaners A47L 3/00](#)})
- 7/181 . . {[Additional gripping devices, e.g. handrails](#)}
- 7/182 . . . {[situated at the top of the ladder](#)}
- 7/183 . . . {[situated along the ladder](#)}
- 7/185 . . {[Devices providing a back support to a person on the ladder, e.g. cages](#)}
- 7/186 . . {[Rail or rope for guiding a safety attachment, e.g. a fall arrest system](#)}
- 7/187 . . . {[Guiding rail](#)}
- 7/188 . . {[Accessories for temporary stabilising a ladder, e.g. temporary attaching devices \(ladder feet or struts E06C 7/42, ladder heads E06C 7/48\)](#)}
- 7/42 . Ladder feet; Supports therefor ([for scaffold elements E04G 5/02](#))
- 7/423 . . {[Ladder stabilising struts](#)}
- 7/426 . . {[Height adjustable supports for receiving both ladder feet](#)}
- 7/44 . . Means for mounting ladders on uneven ground
- 7/46 . . Non-skid equipment
- 7/48 . Ladder heads; Supports for heads of ladders for resting against objects {([ladders attachable to structures such as poles E06C 1/34](#))}
- 7/482 . . {[Supports specially adapted for resting the ladder against or in a corner](#)}
- 7/484 . . {[Supports specially adapted for use with a wall opening, e.g. windows](#)}
- 7/486 . . {[Supports specially adapted to support a ladder on a gutter](#)}
- 7/488 . . {[Supports specially adapted to attach a ladder to a ridge of a roof](#)}
- 7/50 . Joints or other connecting parts
- 7/505 . . {[Anchors being adapted to fix a ladder to a vertical structure, e.g. ladder hooks](#)}
- 9/00 Ladders characterised by being permanently attached to fixed structures, e.g. fire escapes ([movable stairways E04F 11/04](#) {; [means for facilitating access to swimming pools E04H 4/144](#)})**
- 9/02 . rigidly mounted
- 9/04 . . in the form of climbing irons or the like {(built-in climbing irons for poles [A63B 27/00](#); built-in climbing devices as construction element [E04F 11/00](#))}
- 9/06 . movably mounted
- 9/08 . . with rigid longitudinal members
- 9/085 . . . {[ladders unfolded in the direction of the longitudinal members](#)}
- 9/10 . . . forming part of a building, such as a balcony grid, window grid, or other window part {(with [non-rigid longitudinal members E06C 9/14](#))}
- 9/12 . . . laterally displaceable
- 9/14 . . with non-rigid longitudinal members, e.g. rope or chain ladders, ladders of the lazy-tongs type