

# 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](#))

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|-------|---|-------------|--|
| 1/00  | <b>Ladders in general</b> (mounted on undercarriages or vehicles <a href="#">E06C 5/00</a> ; permanently attached to fixed structures <a href="#">E06C 9/00</a> )   | 1/383       | . . . Foldable ladders in which the longitudinal members are brought together on folding { <a href="#">E06C 9/085</a> takes precedence}  |
| 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 <a href="#">A47C 12/02</a> )}  | 1/3835      | . . . . {having collapsible steps comprising a hinge in their central part}  |
| 1/02  | . with rigid longitudinal member or members   | 1/387       | . . . having tip-up steps  |
| 1/04  | . . Ladders for resting against objects, e.g. walls poles, trees (supports for ladder heads <a href="#">E06C 7/48</a> )   | 1/39        | . . . Ladders having platforms; Ladders changeable into platforms (platforms for use on ladders <a href="#">E06C 7/16</a> )  |
| 1/06  | . . . in one piece  | 1/393       | . . . . Ladders having platforms foldable with the ladder  |
| 1/08  | . . . multi-part {( <a href="#">E06C 1/32</a> takes precedence)}  | 1/397       | . . . characterised by having wheels, rollers, or runners  |
| 1/10  | . . . . Sections fitted end to end  | 1/52        | . with non-rigid longitudinal members  |
| 1/12  | . . . . extensible, e.g. telescopic   | 1/525       | . . {made of a continuous strip of material}   |
| 1/125 | . . . . . {with tubular longitudinal members nested within each other}  | 1/54        | . . of the lazy-tongs type   |
| 1/14  | . . Ladders capable of standing by themselves   | 1/56        | . . Rope or chain ladders  |
| 1/16  | . . . with {hinged} struts which rest on the ground (with struts rigid with the ladder <a href="#">E06C 1/24</a> ; having platforms <a href="#">E06C 1/39</a> )   | 1/58        | . with both rigid and non-rigid longitudinal members   |
| 1/18  | . . . . with supporting struts formed as ladders {( <a href="#">E06C 1/32</a> takes precedence)}  | <b>5/00</b> | <b>Ladders characterised by being mounted on undercarriages or vehicles</b> <b>Securing ladders on vehicles</b> (ladders having wheels, rollers, or runners <a href="#">E06C 1/397</a> ; ladders on boats <a href="#">B63B 27/14</a> ) |
| 1/20  | . . . . with supporting struts formed as poles {stabilising struts <a href="#">E06C 7/423</a> }   | 5/02        | . with rigid longitudinal members  |
| 1/22  | . . . . . with extensible, e.g. telescopic, ladder parts or struts  | 5/04        | . . capable of being elevated or extended {Fastening means during transport, e.g. mechanical, hydraulic}   |
| 1/24  | . . . {Non-hinged} free-standing ladders  | 5/06        | . . . by piston and cylinder, or equivalent means, operated by a pressure medium   |
| 1/26  | . . . . in one piece  | 5/08        | . . . . derived directly from a pressure reservoir   |
| 1/28  | . . . . multi-part (with movable supporting struts formed as ladders <a href="#">E06C 1/18</a> )  | 5/10        | . . . . . charged by a pump or compressor driven by the motor of the vehicle or another motor on the vehicle   |
| 1/30  | . . . . . extensible, e.g. telescopic   | 5/12        | . . . . . derived directly from a pump or compressor   |
| 1/32  | . . Ladders with a strut which is formed as a ladder and can be secured in line with the ladder   | 5/14        | . . . . . driven by the motor of the vehicle or another motor on the vehicle   |
| 1/34  | . . Ladders attached to structures, such as windows, cornices, poles, or the like ({ <a href="#">E06C 9/12</a> takes precedence}; ladders permanently fastened to buildings <a href="#">E06C 9/00</a> , {e.g. climbing irons <a href="#">E06C 9/04</a> }) | 5/16        | . . . using mechanical transmission only, with or without fluid or other non-mechanical couplings or clutches  |
| 1/345 | . . . {specially adapted to be installed parallel to the roof surface}  | 5/18        | . . . . using power from the motor of the vehicle or another motor   |
| 1/36  | . . . Ladders suspendable by hooks or the like {ladderhooks <a href="#">E06C 7/505</a> }  | 5/20        | . . . . using hand-power (hand-operated extending means carried by the ladder <a href="#">E06C 7/04</a> )  |
| 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   | 5/22        | . . . by, or with the assistance of, springs ( <a href="#">E06C 5/06</a> , <a href="#">E06C 5/16</a> take precedence)  |
| 1/381 | . . . {Ladders with rungs or treads attached only to one rigid longitudinal member}   | 5/24        | . . Dismounting ladders from vehicles {or supporting means}  |
| 1/382 | . . . {Tripod ladders}  | 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, dismantable 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