

## SECTION E — FIXED CONSTRUCTIONS

### 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) [5, 6]

**1/00 Ladders in general** (mounted on undercarriages or vehicles E06C 5/00; permanently attached to fixed structures E06C 9/00)

- 1/02 • with rigid longitudinal member or members
- 1/04 • • Ladders for resting against objects, e.g. walls, poles, trees (supports for ladder heads E06C 7/48)
- 1/06 • • • in one piece
- 1/08 • • • multi-part
- 1/10 • • • • Sections fitted end to end
- 1/12 • • • • extensible, e.g. telescopic
- 1/14 • • Ladders capable of standing by themselves
- 1/16 • • • with struts which rest on the ground (with struts rigid with the ladder E06C 1/24; having platforms E06C 1/39)
- 1/18 • • • • with supporting struts formed as ladders
- 1/20 • • • • with supporting struts formed as poles
- 1/22 • • • • • with extensible, e.g. telescopic, ladder parts or struts
- 1/24 • • • Free-standing ladders
- 1/26 • • • • in one piece
- 1/28 • • • • multi-part (with movable supporting struts formed as ladders E06C 1/18)
- 1/30 • • • • • extensible, e.g. telescopic
- 1/32 • • Ladders with a strut which is formed as a ladder and can be secured in line with the ladder
- 1/34 • • Ladders attachable to structures, such as windows, cornices, poles, or the like (ladders permanently fastened to buildings E06C 9/00)
- 1/36 • • • Ladders suspendable by hooks or the like
- 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
- 1/383 • • • Foldable ladders in which the longitudinal members are brought together on folding
- 1/387 • • • having tip-up steps
- 1/39 • • • Ladders having platforms; Ladders changeable into platforms (platforms for use on ladders E06C 7/16)
- 1/393 • • • • Ladders having platforms foldable with the ladder
- 1/397 • • • characterised by having wheels, rollers, or runners
- 1/52 • with non-rigid longitudinal members
- 1/54 • • of the lazy-tongs type
- 1/56 • • Rope or chain ladders
- 1/58 • with both rigid and non-rigid longitudinal members

**5/00 Ladders characterised by being mounted on undercarriages or vehicles; Securing ladders on vehicles** (ladders having wheels, rollers, or runners E06C 1/397)

- 5/02 • with rigid longitudinal members
- 5/04 • • capable of being elevated or extended
- 5/06 • • • by piston and cylinder, or equivalent means, operated by a pressure medium
- 5/08 • • • • derived directly from a pressure reservoir
- 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
- 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
- 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
- 5/44 • • Other accessories on ladders, e.g. acoustical signalling devices, dismountable switchboards

**7/00 Component parts, supporting parts, or accessories**

- 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

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- 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
- 7/16 • Platforms on, or for use on, ladders, e.g. liftable or lowerable platforms (aspects relating to the lifting B66F)
- 7/18 • Devices for preventing persons from falling (life-saving belts A62B 1/16)
- 7/42 • Ladder feet; Supports therefor (for scaffold elements E04G 5/02)
- 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

- 7/50 • Joints or other connecting parts

### **9/00 Ladders characterised by being permanently attached to fixed structures, e.g. fire escapes (movable stairways E04F 11/04)**

- 9/02 • rigidly mounted
- 9/04 • • in the form of climbing irons or the like
- 9/06 • movably mounted
- 9/08 • • with rigid longitudinal members
- 9/10 • • • forming part of a building, such as a balcony grid, window grid, or other window part
- 9/12 • • • laterally displaceable
- 9/14 • • with non-rigid longitudinal members, e.g. rope or chain ladders, ladders of the lazy-tongs type