

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### HEALTH; AMUSEMENT

#### A62 LIFE-SAVING; FIRE-FIGHTING (ladders [E06C](#))

**A62B DEVICES, APPARATUS OR METHODS FOR LIFE-SAVING** (valves specially adapted for medical use [A61M 39/00](#); life-saving devices, apparatus or methods specially adapted for use in water [B63C 9/00](#); divers' equipment [B63C 11/00](#); specially adopted for use with aircraft, e.g. parachutes, ejector seats, {[B64D 17/00](#), [B64D 25/10](#)}; rescue devices peculiar to mining [E21F 11/00](#))

#### **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.

**Rescuing from fire; Rescuing from buildings or the like** (from mountains or trees [A63B 27/00](#), [A63B 29/00](#); from ships [B63C](#))

#### **1/00 Devices for lowering persons from buildings or the like**

- 1/02 . by making use of rescue cages, bags, or the like (elevators, escalators or moving walkways [B66B](#))
- 1/04 . . Single parts, e.g. fastening devices
- 1/06 . by making use of rope-lowering devices (capstans, winches [B66D](#))

#### **NOTE**

Contrary to the references in the Guide Heading before group [A62B 1/00](#) and in group [A62B 1/16](#), this group contains also rope-lowering devices for mountaineering

- 1/08 . . with brake mechanisms for the winches or pulleys
- 1/10 . . . mechanically operated
- 1/12 . . . hydraulically operated
- 1/14 . . with brakes sliding on the rope
- 1/16 . . Life-saving ropes or belts (safety belts [A62B 35/00](#); mountain guy-ropes [A63B 29/02](#); life-saving belts for use at sea [B63C](#))
- 1/18 . . Other single parts for rope lowering-devices, e.g. take-up rollers for ropes, devices for shooting ropes
- 1/20 . by making use of sliding-ropes, sliding-poles or chutes, e.g. hoses, pipes, sliding-grooves, sliding-sheets
- 1/22 . by making use of jumping devices, e.g. jumping-sheets, jumping-mattresses

**3/00 Devices or single parts for facilitating escape from buildings or the like, e.g. protection shields, protection screens; Portable devices for preventing smoke penetrating into distinct parts of buildings** ([A62B 1/00](#) takes precedence)

- 3/005 . {Rescue tools with forcing action}

**5/00 Other devices for rescuing from fire** (ladders [E06C](#))

**Respirators; Gas-masks, including breathing apparatus, e.g. for high altitude, or masks therefor; Devices affording protection against harmful chemical agents** (composition of materials for coverings against harmful chemical agents [A62D 5/00](#), for transparent parts of breathing apparatus [A62D 7/00](#); composition of chemical substances for use in breathing apparatus [A62D 9/00](#))

#### **7/00 Respiratory apparatus** (for medical purposes [A61M 16/00](#))

- 7/02 . with compressed oxygen or air
- 7/04 . . and lung-controlled oxygen or air valves
- 7/06 . with liquid oxygen {or air; Cryogenic systems}
- 7/08 . containing chemicals producing oxygen
- 7/10 . with filter elements
- 7/12 . with fresh-air hose
- 7/14 . for high-altitude aircraft

**9/00 Component parts for respiratory or breathing apparatus** ([A62B 19/00](#), [A62B 21/00](#), [A62B 23/00](#) take precedence)

- 9/003 . {Means for influencing the temperature or humidity of the breathing gas}
- 9/006 . {Indicators or warning devices, e.g. of low pressure, contamination}
- 9/02 . Valves {(non-return valves mounted in breathing masks or helmets [A62B 18/10](#))}
- 9/022 . . {Breathing demand regulators (SCUBA diving regulators [B63C 11/22](#))}
- 9/025 . . . {with tilting opening action}
- 9/027 . . . {pilot operated, i.e. controlled by valve means sensitive to a reduced downstream pressure}
- 9/04 . Couplings; Supporting frames
- 9/06 . Mouthpieces; Nose-clips (for medical purposes [A61M 15/00](#))

**11/00 Devices for reconditioning breathing air in sealed rooms** (chemical purification, disinfection, or sterilisation of air [A61L](#); in aircraft or submarines, insofar as they influence the construction of the vehicle or are influenced by its construction [B63B](#), [B64D](#), respectively; air-conditioning in general [F24F](#))

- 13/00** **Special devices for ventilating gasproof shelters** (ventilating in general [F24F](#)) 18/086 . . {Adaptations for consuming refreshments without unmasking}
- 15/00** **Installations affording protection against poisonous or injurious substances, e.g. with separate breathing apparatus** ({preventing escape of dirt or fumes from the area where they are produced [B08B 15/00](#)}; building aspects [E04H 9/00](#) {; use of air currents for screening [F24F 9/00](#)}) 18/088 . . {Devices for indicating filter saturation}  
18/10 . . Valves
- 17/00** **Protective clothing affording protection against heat or harmful chemical agents or for use at high altitudes** (protective clothing for work or sport [A41D 13/00](#), {e.g. overalls [A41D 13/02](#), surgical gowns [A41D 13/12](#); materials for protecting clothing [A41D 31/04](#) }; protecting eyes or ears [A61F 9/00](#); composition of materials for protective clothing [A62D 5/00](#); life-saving garments for use at sea [B63C](#); diving suits [B63C 11/02](#); flying suits, {anti-g suits} [B64D 10/00](#); space suits [B64G 6/00](#); bullet-proof clothing [F41H 1/02](#)) 19/00 **Cartridges with absorbing substances for respiratory apparatus** {(carbon dioxide absorbing devices [A61M 16/22](#))}  
19/02 . with oxidising agents
- 21/00** **Devices for producing oxygen from chemical substances for respiratory apparatus**
- 23/00** **Filters for breathing-protection purposes** (gas-filters in general [B01D](#))  
23/02 . for respirators  
23/025 . . {the filter having substantially the shape of a mask (surgical face masks [A41D 13/11](#))}  
23/04 . for gasproof shelters  
23/06 . Nose filters
- 25/00** **Devices for storing {or holding or carrying} respiratory or breathing apparatus**  
25/005 . {for high altitude}
- 27/00** **Methods or devices for testing respiratory or breathing apparatus {for high altitudes}** (apparatus for testing gastightness in general [G01M](#))
- 29/00** **Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents** (respiratory apparatus [A62B 7/00](#); gasproof doors, windows, shutters [E06B](#))
- 31/00** **Containers or portable cabins for affording breathing protection with devices for reconditioning the breathing air or for ventilating, {in particular those that are suitable for invalids or small children}** (ventilation of gasproof shelters [A62B 13/00](#); protective clothes or coverings [A62B 17/00](#); treatment rooms for medical purposes [A61G 10/00](#))
- 33/00** **Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons**
- 35/00** **Safety belts or body harnesses; Similar equipment for limiting displacement of the human body, especially in case of sudden changes of motion** (buckles [A44B 11/00](#); accessories for children's furniture [A47D 15/00](#); children's seats [B60N 2/24](#); safety belts or body harnesses for land vehicles [B60R 22/00](#); harnesses for parachutes [B64D 17/30](#); harnessing in aircraft [B64D 25/06](#); releasable fastenings [F16B](#))  
35/0006 . {Harnesses; Accessories therefor}  
35/0012 . . {Sit harnesses}  
35/0018 . . {Full body harnesses covering at least shoulders and thighs}  
35/0025 . . {Details and accessories}  
35/0031 . . . {Belt sorting accessories, e.g. devices keeping the belts in comfortable positions}  
35/0037 . . . {Attachments for lifelines and lanyards (lifelines, lanyards [A62B 35/0043](#))}  
35/0043 . {Lifelines, lanyards, and anchors therefore (attachments [A62B 35/0037](#))}  
35/005 . . {Vertical lifelines}
- 17/001** . {Adaptations for donning, adjusting or increasing mobility, e.g. closures, joints}
- 17/003** . {Fire-resistant or fire-fighters' clothes}
- 17/005** . {Active or passive body temperature control}
- 17/006** . {against contamination from chemicals, toxic or hostile environments; ABC suits}
- 17/008** . {High-altitude pressure suits}
- 17/04** . Hoods
- 17/08** . Protective coverings for animals {(protective covers when working [B68C 5/00](#))}  
**WARNING**  
Groups [A62B 17/00](#) - [A62B 17/08](#) are incomplete pending reclassification of documents from group [A41D 31/04](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- 18/00** **Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes {or incorporating a pump or compressor for reducing the inhalation effort}** ([A62B 17/00](#) takes precedence; anaesthetic masks [A61M 16/06](#))  
18/003 . {having means for creating a fresh air curtain}  
18/006 . {with pumps for forced ventilation ([A62B 18/045](#) takes precedence)}  
18/02 . Masks (gas-masks for animals [A62B 18/06](#); masks for welders [A61F 9/06](#))  
18/025 . . {Halfmasks ([A62B 23/02](#) takes precedence; surgical face masks [A41D 13/11](#))}  
18/04 . Gas helmets  
18/045 . . {with fans for delivering air for breathing mounted in or on the helmet}  
18/06 . Gas masks for animals  
18/08 . Component parts for gas-masks or gas-helmets, e.g. windows, straps, speech transmitters, signal-devices (eye-pieces for protective goggles [A61F 9/02](#); composition of materials for the windows or other transparent parts [A62D 7/00](#))  
18/082 . . {Assembling eyepieces, lenses or vision-correction means in or on gas-masks}  
18/084 . . {Means for fastening gas-masks to heads or helmets}

- 35/0056 . . {Horizontal lifelines}
- 35/0062 . . {Rail-form lifelines for permanent installation}
- 35/0068 . . {Anchors}
- 35/0075 . . {Details of ropes or similar equipment, e.g. between the secured person and the lifeline or anchor}
- 35/0081 . {Equipment which can travel along the length of a lifeline, e.g. travelers}
- 35/0087 . . {Arrangements for bypassing lifeline supports without lanyard disconnection}
- 35/0093 . {Fall arrest reel devices}
- 35/04 . incorporating energy absorbing means
- 99/00 Subject matter not provided for in other groups of this subclass**