

# CPC COOPERATIVE PATENT CLASSIFICATION

**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](#))

**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](#))
- 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](#)})
- 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 31/0011](#)}; 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](#))
- 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	<ul style="list-style-type: none"> <li>• {against contamination from chemicals, toxic or hostile environments; ABC suits}</li> </ul>	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 <a href="#">A62B 13/00</a> ; protective clothes or coverings <a href="#">A62B 17/00</a> ; treatment rooms for medical purposes <a href="#">A61G 10/00</a> )
17/008	<ul style="list-style-type: none"> <li>• {High-altitude pressure suits}</li> </ul>		
17/04	<ul style="list-style-type: none"> <li>• Hoods</li> </ul>		
17/08	<ul style="list-style-type: none"> <li>• Protective coverings for animals {(protective covers when working <a href="#">B68C 5/00</a>)}</li> </ul>		
18/00	<b>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} (<a href="#">A62B 17/00</a> takes precedence; anaesthetic masks <a href="#">A61M 16/06</a>)</b>	33/00	Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons
18/003	<ul style="list-style-type: none"> <li>• {having means for creating a fresh air curtain}</li> </ul>	35/00	<b>Safety belts or body harnesses; Similar equipment for limiting displacement of the human body, especially in case of sudden changes of motion (buckles <a href="#">A44B 11/00</a>; accessories for children's furniture <a href="#">A47D 15/00</a>; children's seats <a href="#">B60N 2/24</a>; safety belts or body harnesses for land vehicles <a href="#">B60R 22/00</a>; harnesses for parachutes <a href="#">B64D 17/30</a>; harnessing in aircraft <a href="#">B64D 25/06</a>; releasable fastenings <a href="#">F16B</a>)</b>
18/006	<ul style="list-style-type: none"> <li>• {with pumps for forced ventilation (<a href="#">A62B 18/045</a> takes precedence)}</li> </ul>	35/0006	<ul style="list-style-type: none"> <li>• {Harnesses; Accessories therefor}</li> </ul>
18/02	<ul style="list-style-type: none"> <li>• Masks (gas-masks for animals <a href="#">A62B 18/06</a>; masks for welders <a href="#">A61F 9/06</a>)</li> </ul>	35/0012	<ul style="list-style-type: none"> <li>• . {Sit harnesses}</li> </ul>
18/025	<ul style="list-style-type: none"> <li>• . {Halfmasks (<a href="#">A62B 23/02</a> takes precedence; surgical face masks <a href="#">A41D 13/11</a>)}</li> </ul>	35/0018	<ul style="list-style-type: none"> <li>• . {Full body harnesses covering at least shoulders and thighs}</li> </ul>
18/04	<ul style="list-style-type: none"> <li>• Gas helmets</li> </ul>	35/0025	<ul style="list-style-type: none"> <li>• . {Details and accessories}</li> </ul>
18/045	<ul style="list-style-type: none"> <li>• . {with fans for delivering air for breathing mounted in or on the helmet}</li> </ul>	35/0031	<ul style="list-style-type: none"> <li>• . . {Belt sorting accessories, e.g. devices keeping the belts in comfortable positions}</li> </ul>
18/06	<ul style="list-style-type: none"> <li>• Gas masks for animals</li> </ul>	35/0037	<ul style="list-style-type: none"> <li>• . . {Attachments for lifelines and lanyards (lifelines, lanyards <a href="#">A62B 35/0043</a>)}</li> </ul>
18/08	<ul style="list-style-type: none"> <li>• Component parts for gas-masks or gas-helmets, e.g. windows, straps, speech transmitters, signal-devices (eye-pieces for protective goggles <a href="#">A61F 9/02</a>; composition of materials for the windows or other transparent parts <a href="#">A62D 7/00</a>)</li> </ul>	35/0043	<ul style="list-style-type: none"> <li>• {Lifelines, lanyards, and anchors therefore (attachments <a href="#">A62B 35/0037</a>)}</li> </ul>
18/082	<ul style="list-style-type: none"> <li>• . {Assembling eyepieces, lenses or vision-correction means in or on gas-masks}</li> </ul>	35/005	<ul style="list-style-type: none"> <li>• . {Vertical lifelines}</li> </ul>
18/084	<ul style="list-style-type: none"> <li>• . {Means for fastening gas-masks to heads or helmets}</li> </ul>	35/0056	<ul style="list-style-type: none"> <li>• . {Horizontal lifelines}</li> </ul>
18/086	<ul style="list-style-type: none"> <li>• . {Adaptations for consuming refreshments without unmasking}</li> </ul>	35/0062	<ul style="list-style-type: none"> <li>• . {Rail-form lifelines for permanent installation}</li> </ul>
18/088	<ul style="list-style-type: none"> <li>• . {Devices for indicating filter saturation}</li> </ul>	35/0068	<ul style="list-style-type: none"> <li>• . {Anchors}</li> </ul>
18/10	<ul style="list-style-type: none"> <li>• . Valves</li> </ul>	35/0075	<ul style="list-style-type: none"> <li>• . {Details of ropes or similar equipment, e.g. between the secured person and the lifeline or anchor}</li> </ul>
19/00	<b>Cartridges with absorbing substances for respiratory apparatus {(carbon dioxide absorbing devices <a href="#">A61M 16/22</a>)}</b>	35/0081	<ul style="list-style-type: none"> <li>• {Equipment which can travel along the length of a lifeline, e.g. travelers}</li> </ul>
19/02	<ul style="list-style-type: none"> <li>• with oxidising agents</li> </ul>	35/0087	<ul style="list-style-type: none"> <li>• . {Arrangements for bypassing lifeline supports without lanyard disconnection}</li> </ul>
21/00	<b>Devices for producing oxygen from chemical substances for respiratory apparatus</b>	35/0093	<ul style="list-style-type: none"> <li>• {Fall arrest reel devices}</li> </ul>
23/00	<b>Filters for breathing-protection purposes (gas-filters in general <a href="#">B01D</a>)</b>	35/04	<ul style="list-style-type: none"> <li>• incorporating energy absorbing means</li> </ul>
23/02	<ul style="list-style-type: none"> <li>• for respirators</li> </ul>	99/00	<b>Subject matter not provided for in other groups of this subclass</b>
23/025	<ul style="list-style-type: none"> <li>• . {the filter having substantially the shape of a mask (surgical face masks <a href="#">A41D 13/11</a>)}</li> </ul>		
23/04	<ul style="list-style-type: none"> <li>• for gasproof shelters</li> </ul>		
23/06	<ul style="list-style-type: none"> <li>• Nose filters</li> </ul>		
25/00	<b>Devices for storing {or holding or carrying} respiratory or breathing apparatus</b>		
25/005	<ul style="list-style-type: none"> <li>• {for high altitude}</li> </ul>		
27/00	<b>Methods or devices for testing respiratory or breathing apparatus {for high altitudes} (apparatus for testing gastightness in general <a href="#">G01M</a>)</b>		
29/00	<b>Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents (respiratory apparatus <a href="#">A62B 7/00</a>; gasproof doors, windows, shutters <a href="#">E06B</a>)</b>		