

**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](#); rescue devices peculiar to mining [E21F 11/00](#))

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

**A62B 1/00**

**Devices for lowering persons from buildings or the like**

[A62B 1/02](#) . by making use of rescue cages, bags, or the like (elevators, escalators or moving walkways [B66B](#))

[A62B 1/04](#) . . Single parts, e.g. fastening devices

[A62B 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

[A62B 1/08](#) . . with brake mechanisms for the winches or pulleys

[A62B 1/10](#) . . . mechanically operated

[A62B 1/12](#) . . . hydraulically operated

[A62B 1/14](#) . . with brakes sliding on the rope

[A62B 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](#))

[A62B 1/18](#) . . Other single parts for rope lowering-devices, e.g. take-up rollers for ropes, devices for shooting ropes

[A62B 1/20](#) . by making use of sliding-ropes, sliding-poles or chutes, e.g. hoses, pipes, sliding-grooves, sliding-sheets

[A62B 1/22](#) . by making use of jumping devices, e.g. jumping-sheets, jumping-mattresses

**A62B 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)

[A62B 3/005](#) . { Rescue tools with forcing action }

**A62B 5/00**

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

**Guidance heading:** 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](#))

**A62B 7/00**      **Respiratory apparatus** (for medical purposes [A61M 16/00](#))

- A62B 7/02      . with compressed oxygen or air
- A62B 7/04      . . and lung-controlled oxygen or air valves
- A62B 7/06      . with liquid oxygen { or air; Cryogenic systems }
- A62B 7/08      . containing chemicals producing oxygen
- A62B 7/10      . with filter elements
- A62B 7/12      . with fresh-air hose
- A62B 7/14      . for high-altitude aircraft

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

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

**A62B 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](#))

**A62B 13/00**      **Special devices for ventilating gasproof shelters** (ventilating in general [F24F](#))

- A62B 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](#) })
- A62B 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](#))
- A62B 17/001 . { Adaptations for donning, adjusting or increasing mobility, e.g. closures, joints }
- A62B 17/003 . { Fire-resistant or fire-fighters` clothes }
- A62B 17/005 . { Active or passive body temperature control }
- A62B 17/006 . { against contamination from chemicals, toxic or hostile environments; ABC suits }
- A62B 17/008 . { High-altitude pressure suits }
- A62B 17/04 . Hoods
- A62B 17/08 . Protective coverings for animals {(protective covers when working [B68C 5/00](#))}
- A62B 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](#))
- A62B 18/003 . { having means for creating a fresh air curtain }
- A62B 18/006 . { with pumps for forced ventilation ([A62B 18/045](#) takes precedence)}
- A62B 18/02 . Masks (gas-masks for animals [A62B 18/06](#); masks for welders [A61F 9/06](#))
- A62B 18/025 . . { Halfmasks ([A62B 23/02](#) takes precedence; surgical face masks [A41D 13/11](#))}
- A62B 18/04 . Gas helmets
- A62B 18/045 . . { with fans for delivering air for breathing mounted in or on the helmet }
- A62B 18/06 . Gas masks for animals
- A62B 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](#))
- A62B 18/082 . . { Assembling eyepieces, lenses or vision-correction means in or on gas-masks }

A62B 18/084	.. { Means for fastening gas-masks to heads or helmets }
A62B 18/086	.. { Adaptations for consuming refreshments without unmasking }
A62B 18/088	.. { Devices for indicating filter saturation }
A62B 18/10	.. Valves
<b>A62B 19/00</b>	<b>Cartridges with absorbing substances for respiratory apparatus</b> {(carbon dioxide absorbing devices <a href="#">A61M 16/22</a> )}
A62B 19/02	. with oxidising agents
<b>A62B 21/00</b>	<b>Devices for producing oxygen from chemical substances for respiratory apparatus</b>
<b>A62B 23/00</b>	<b>Filters for breathing-protection purposes</b> (gas-filters in general <a href="#">B01D</a> )
A62B 23/02	. for respirators
A62B 23/025	.. { the filter having substantially the shape of a mask (surgical face masks <a href="#">A41D 13/11</a> )}
A62B 23/04	. for gasproof shelters
A62B 23/06	. Nose filters
<b>A62B 25/00</b>	<b>Devices for storing</b> { or holding or carrying } <b>respiratory or breathing apparatus</b>
A62B 25/005	. { for high altitude }
<b>A62B 27/00</b>	<b>Methods or devices for testing respiratory or breathing apparatus</b> { for high altitudes } (apparatus for testing gastightness in general <a href="#">G01M</a> )
<b>A62B 29/00</b>	<b>Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents</b> (respiratory apparatus <a href="#">A62B 7/00</a> ; gasproof doors, windows, shutters <a href="#">E06B</a> )
<b>A62B 31/00</b>	<b>Containers or portable cabins for affording breathing protection with devices for reconditioning the breathing air or for ventilating,</b> { 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> )
<b>A62B 33/00</b>	<b>Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons</b>

**A62B 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](#))

- A62B 35/0006 . { Harnesses; Accessories therefor }
- A62B 35/0012 .. { Sit harnesses }
- A62B 35/0018 .. { Full body harnesses covering at least shoulders and thighs }
- A62B 35/0025 .. { Details and accessories }
- A62B 35/0031 ... { Belt sorting accessories, e.g. devices keeping the belts in comfortable positions }
- A62B 35/0037 ... { Attachments for lifelines and lanyards (lifelines, lanyards [A62B 35/0043](#)) }
- A62B 35/0043 . { Lifelines, lanyards, and anchors therefore (attachments [A62B 35/0037](#)) }
- A62B 35/005 .. { Vertical lifelines }
- A62B 35/0056 .. { Horizontal lifelines }
- A62B 35/0062 .. { Rail-form lifelines for permanent installation }
- A62B 35/0068 .. { Anchors }
- A62B 35/0075 .. { Details of ropes or similar equipment, e.g. between the secured person and the lifeline or anchor }
- A62B 35/0081 . { Equipment which can travel along the length of a lifeline, e.g. travelers }
- A62B 35/0087 .. { Arrangements for bypassing lifeline supports without lanyard disconnection }
- A62B 35/0093 . { Fall arrest reel devices }
- A62B 35/04 . incorporating energy absorbing means

**A62B 99/00**

**Subject matter not provided for in other groups of this subclass**