

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
A62B 19/00	Cartridges with absorbing substances for respiratory apparatus {(carbon dioxide absorbing devices A61M 16/22)}
A62B 19/02	. with oxidising agents
A62B 21/00	Devices for producing oxygen from chemical substances for respiratory apparatus
A62B 23/00	Filters for breathing-protection purposes (gas-filters in general B01D)
A62B 23/02	. for respirators
A62B 23/025	.. { the filter having substantially the shape of a mask (surgical face masks A41D 13/11)}
A62B 23/04	. for gasproof shelters
A62B 23/06	. Nose filters
A62B 25/00	Devices for storing {or holding or carrying} respiratory or breathing apparatus
A62B 25/005	. {for high altitude}
A62B 27/00	Methods or devices for testing respiratory or breathing apparatus {for high altitudes}(apparatus for testing gastightness in general G01M)
A62B 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)
A62B 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)
A62B 33/00	Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons

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