

**ECLA****EUROPEAN CLASSIFICATION****A62B**

**DEVICES, APPARATUS OR METHODS FOR LIFE-SAVING** (valves specially adapted for medical use [A61M39/00](#); life-saving devices, apparatus or methods specially adapted for use in water [B63C9/00](#); divers` equipment [B63C11/00](#); specially adopted for use with aircraft, e.g. parachutes, ejector seats, [B64D](#); rescue devices peculiar to mining [E21F11/00](#))

**Guide heading:**

**Rescuing from fire; Rescuing from buildings or the like** (from mountains or trees [A63B27/00](#), [A63B29/00](#); from ships [B63C](#))

**A62B1/00**

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

**A62B1/02**

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

**A62B1/04**

- . . Single parts, e.g. fastening devices

**A62B1/06**

- . by making use of rope-lowering devices (capstans, winches [B66D](#))

**[N: Note**

Contrary to the references in the Guide Heading before group [A62B1/00](#) and in group [A62B1/16](#), this group contains also rope-lowering devices for mountaineering ]

**A62B1/08**

- . . with brake mechanisms for the winches or pulleys

**A62B1/10**

- . . . mechanically operated

**A62B1/12**

- . . . hydraulically operated

**A62B1/14**

- . . with brakes sliding on the rope

**A62B1/16**

- . . Life-saving ropes or belts (safety belts [A62B35/00](#); mountain guy-ropes [A63B29/02](#); life-saving belts for use at sea [B63C](#))

**A62B1/18**

- . . Other single parts for rope lowering-devices, e.g. take-up rollers for ropes, devices for shooting ropes

**A62B1/20**

- . by making use of sliding-ropes, sliding-poles or chutes, e.g. hoses, pipes, sliding-grooves, sliding-sheets

**A62B1/22**

- . by making use of jumping devices, e.g. jumping-sheets, jumping-mattresses

**A62B3/00**

**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** ([A62B1/00](#) takes precedence)

**A62B3/00B**

- . **[N: Rescue tools with forcing action]**

**A62B5/00**

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

**Guide 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 [A62D5/00](#), for

[transparent parts of breathing apparatus A62D7/00; composition of chemical substances for use in breathing apparatus A62D9/00\)](#)

- A62B7/00**      **Respiratory apparatus** (for medical purposes [A61M16/00](#))
- [A62B7/02](#)      .    with compressed oxygen or air
  - [A62B7/04](#)      .    .    and lung-controlled oxygen or air valves
  - [A62B7/06](#)      .    with liquid oxygen [N: or air; Cryogenic systems] [C9804]
  - [A62B7/08](#)      .    containing chemicals producing oxygen
  - [A62B7/10](#)      .    with filter elements
  - [A62B7/12](#)      .    with fresh-air hose
  - [A62B7/14](#)      .    for high-altitude aircraft
- A62B9/00**      **Component parts for respiratory or breathing apparatus** ([A62B19/00](#), [A62B21/00](#), [A62B23/00](#) take precedence)
- [A62B9/00A](#)      .    [N: Means for influencing the temperature or humidity of the breathing gas]
  - [A62B9/00C](#)      .    [N: Indicators or warning devices, e.g. of low pressure, contamination] [N9901]
  - [A62B9/02](#)      .    Valves [N: (non-return valves mounted in breathing masks or helmets [A62B18/10](#))]
  - [A62B9/02D](#)      .    .    [N: Breathing demand regulators (SCUBA diving regulators [B63C11/22](#))] [C9812]
  - [A62B9/02D2](#)      .    .    .    [N: with tilting opening action]
  - [A62B9/02D4](#)      .    .    .    [N: pilot operated, i.e. controlled by valve means sensitive to a reduced downstream pressure]
  - [A62B9/04](#)      .    Couplings; Supporting frames
  - [A62B9/06](#)      .    Mouthpieces; Nose-clips (for medical purposes [A61M15/00](#))
- A62B11/00**      **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](#))
- A62B13/00**      **Special devices for ventilating gasproof shelters** (ventilating in general [F24F](#))
- A62B15/00**      **Installations affording protection against poisonous or injurious substances, e.g. with separate breathing apparatus** ([N: preventing escape of dirt or fumes from the area where they are produced [B08B15/00](#)]; building aspects [E04H9/00](#); [N: use of air currents for screening [F24F9/00](#)])
- A62B17/00**      **Protective clothing affording protection against heat or harmful chemical agents or**

**for use at high altitudes** (protective clothing for work or sport [A41D13/00](#), [N: e.g. overalls [A41D13/02](#), surgical gowns [A41D13/12](#); materials for protecting clothing [A41D31/00C](#)]; protecting eyes or ears [A61F9/00](#); composition of materials for protective clothing [A62D5/00](#); life-saving garments for use at sea [B63C](#); diving suits [B63C11/02](#); flying suits, [N: anti-g suits] [B64D10/00](#); space suits [B64G6/00](#); bullet-proof clothing [F41H1/02](#)) [[C9408](#)]

- [A62B17/00B](#) . [N: Adaptations for donning, adjusting or increasing mobility, e.g. closures, joints]
- [A62B17/00D](#) . [N: Fire-resistant or fire-fighters` clothes] [[N9408](#)]
- [A62B17/00F](#) . [N: Active or passive body temperature control] [[N9408](#)]
- [A62B17/00H](#) . [N: against contamination from chemicals, toxic or hostile environments; ABC suits] [[N9408](#)]
- [A62B17/00J](#) . [N: High-altitude pressure suits] [[N9408](#)]
- [A62B17/04](#) . Hoods
- [A62B17/08](#) . Protective coverings for animals [N: (protective covers when working [B68C 5/00](#))]
- [A62B18/00](#)** **Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes** [N: or incorporating a pump or compressor for reducing the inhalation effort] ([A62B17/00](#) takes precedence; anaesthetic masks [A61M16/06](#))
- [A62B18/00B](#) . [N: having means for creating a fresh air curtain]
- [A62B18/00D](#) . [N: with pumps for forced ventilation ([A62B18/04A](#) takes precedence)]
- [A62B18/02](#) . Masks (gas-masks for animals [A62B18/06](#); masks for welders [A61F9/06](#))
- [A62B18/02A](#) . . [N: Halfmasks ([A62B23/02](#) takes precedence; surgical face masks [A41D13/00F](#))]
- [A62B18/04](#) . Gas helmets
- [A62B18/04A](#) . . [N: with fans for delivering air for breathing mounted in or on the helmet]
- [A62B18/06](#) . Gas masks for animals
- [A62B18/08](#) . Component parts for gas-masks or gas-helmets, e.g. windows, straps, speech transmitters, signal-devices (eye-pieces for protective goggles [A61F9/02](#); composition of materials for the windows or other transparent parts [A62D7/00](#))
- [A62B18/08A](#) . . [N: Assembling eyepieces, lenses or vision-correction means in or on gas-masks]
- [A62B18/08B](#) . . [N: Means for fastening gas-masks to heads or helmets]
- [A62B18/08C](#) . . [N: Adaptations for consuming refreshments without unmasking]
- [A62B18/08D](#) . . [N: Devices for indicating filter saturation]
- [A62B18/10](#) . . Valves
- [A62B19/00](#)** **Cartridges with absorbing substances for respiratory apparatus** [N: (carbon dioxide absorbing devices [A61M16/22](#))] [[C9804](#)]

- A62B19/02
  - . with oxidising agents
- A62B21/00**      **Devices for producing oxygen from chemical substances for respiratory apparatus**
- A62B23/00**      **Filters for breathing-protection purposes** (gas-filters in general [B01D](#))
  - A62B23/02
    - . for respirators
  - A62B23/02A
    - . . [N: the filter having substantially the shape of a mask (surgical face masks [A41D13/11](#))]
  - A62B23/04
    - . for gasproof shelters
  - A62B23/06
    - . Nose filters
- A62B25/00**      **Devices for storing [N: or holding or carrying] respiratory or breathing apparatus**
  - A62B25/00B
    - . [N: for high altitude]
- A62B27/00**      **Methods or devices for testing respiratory or breathing apparatus** [N: for high altitudes] (apparatus for testing gastightness in general [G01M](#))
- A62B29/00**      **Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents** (respiratory apparatus [A62B7/00](#); gasproof doors, windows, shutters [E06B](#))
- A62B31/00**      **Containers or portable cabins for affording breathing protection with devices for reconditioning the breathing air or for ventilating, [N: in particular those that are suitable for invalids or small children]** (ventilation of gasproof shelters [A62B13/00](#); protective clothes or coverings [A62B17/00](#); treatment rooms for medical purposes [A61G10/00](#))
- A62B33/00**      **Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons**
- A62B35/00**      **Safety belts or body harnesses; Similar equipment for limiting displacement of the human body, especially in case of sudden changes of motion** (buckles [A44B11/00](#); accessories for children`s furniture [A47D15/00](#); children`s seats [B60N2/24](#); safety belts or body harnesses for land vehicles [B60R22/00](#); harnesses for parachutes [B64D17/30](#); harnessing in aircraft [B64D25/06](#); releasable fastenings [F16B](#))
  - A62B35/00A
    - . [N: Harnesses; Accessories therefor] [\[N1204\]](#)
  - A62B35/00A2
    - . . [N: Sit harnesses] [\[N1204\]](#)
  - A62B35/00A4
    - . . [N: Full body harnesses covering at least shoulders and thighs] [\[N1204\]](#)
  - A62B35/00A6
    - . . [N: Details and accessories] [\[N1204\]](#)
  - A62B35/00A6A
    - . . . [N: Belt sorting accessories, e.g. devices keeping the belts in comfortable positions] [\[N1204\]](#)

- A62B35/00A6C . . . [N: Attachments for lifelines and lanyards (lifelines, lanyards A62B35/00B)] [N1204]
- A62B35/00B . [N: Lifelines, lanyards, and anchors therefore (attachments A62B35/00A6C)] [N1204]
- A62B35/00B1 . . [N: Vertical lifelines] [N1204]
- A62B35/00B2 . . [N: Horizontal lifelines] [N1204]
- A62B35/00B4 . . [N: Rail-form lifelines for permanent installation] [N1204]
- A62B35/00B6 . . [N: Anchors] [N1204]
- A62B35/00B8 . . [N: Details of ropes or similar equipment, e.g. between the secured person and the lifeline or anchor] [N1204]
- A62B35/00D . [N: Equipment which can travel along the length of a lifeline, e.g. travelers] [N1204]
- A62B35/00D2 . . [N: Arrangements for bypassing lifeline supports without lanyard disconnection] [N1204]
- A62B35/00F . [N: Fall arrest reel devices] [N1204]
- A62B35/04 . incorporating energy absorbing means
- A62B99/00 **Subject matter not provided for in other groups of this subclass** [N0901]