

SECTION A — HUMAN NECESSITIES

A62 LIFE-SAVING; FIRE-FIGHTING

A62B DEVICES, APPARATUS OR METHODS FOR LIFE-SAVING (valves specially adapted for medical use A61M 39/00; composition of chemical substances used in respirators, gas-masks, breathing apparatus or the like A62D; rescuing from mountains or trees A63B 27/00, A63B 29/00; life-saving devices, apparatus or methods specially adapted for use in water B63C 9/00; divers' equipment B63C 11/00; specially adapted for use with aircraft, e.g. parachutes or ejector seats, B64D; rescue devices peculiar to mining E21F 11/00)

Subclass index

RESCUING, e.g. IN CASE OF FIRE

Means for escape or protection.....1/00, 3/00, 5/00
Breathing containers.....31/00
Safety means for seemingly-dead persons.....33/00

INDIVIDUAL BREATHING MASKS OR APPARATUS

Types.....7/00, 18/00
Details.....9/00, 18/08
Cartridges, oxygen generators, filters.....19/00, 21/00, 23/00
Storing, testing.....25/00, 27/00

PROTECTIVE CLOTHING, SAFETY BELTS.....17/00, 35/00

COLLECTIVE DEVICES FOR BREATHING PROTECTION OR FOR PROTECTION AGAINST

CHEMICAL AGENTS

Air conditioning or ventilation in sealed rooms.....11/00, 13/00
Other protection.....15/00, 29/00

OTHER LIFE SAVING.....99/00

Rescuing from fire; Rescuing from buildings or the like5/00 **Other devices for rescuing from fire** (ladders E06C)**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)
- 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-sheet, 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)

Respirators; Gas-masks, including breathing apparatus, e.g. for high altitude, or masks therefor; Devices affording protection against harmful chemical agents7/00 **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
- 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) [4]

- 9/02 • Valves
- 9/04 • Couplings; Supporting frames
- 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)
- 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** (building aspects E04H 9/00)
- 17/00** **Protective clothing affording protection against heat or harmful chemical agents or for use at high altitudes** (protective clothing or garments for work or sport A41D 13/00; 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 B64D 10/00; space suits B64G 6/00; bullet-proof clothing F41H 1/02) [2]
- 17/04 • Hoods
- 17/08 • Protective coverings for animals
- 18/00** **Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes** (A62B 17/00 takes precedence; anaesthetic masks A61M 16/06)
- 18/02 • Masks (gas-masks for animals A62B 18/06; masks for welders A61F 9/06)
- 18/04 • Gas helmets
- 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)
- 18/10 • • Valves
- 19/00** **Cartridges with absorbing substances for respiratory apparatus**
- 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
- 23/04 • for gasproof shelters
- 23/06 • Nose filters
- 25/00** **Devices for storing respiratory or breathing apparatus** [4]
- 27/00** **Methods or devices for testing respiratory or breathing apparatus** (apparatus for testing gastightness in general G01M) [4]
- 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** (ventilation of gasproof shelters A62B 13/00; protective clothes or coverings A62B 17/00; treatment rooms for medical purposes A61G 10/00) [4]
- 33/00** **Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried person**
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- 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) [4]
- 35/04 • incorporating energy absorbing means [4]
- 99/00** **Subject matter not provided for in other groups of this subclass [2009.01]**