

## 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 like

##### **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)**

##### **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**

##### **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
- 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	<b>Devices for reconditioning breathing air in sealed rooms</b> (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)	21/00	<b>Devices for producing oxygen from chemical substances for respiratory apparatus</b>
13/00	<b>Special devices for ventilating gasproof shelters</b> (ventilating in general F24F)	23/00	<b>Filters for breathing-protection purposes</b> (gas-filters in general B01D)
15/00	<b>Installations affording protection against poisonous or injurious substances, e.g. with separate breathing apparatus</b> (building aspects E04H 9/00)	23/02	• for respirators
17/00	<b>Protective clothing affording protection against heat or harmful chemical agents or for use at high altitudes</b> (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]	23/04	• for gasproof shelters
17/04	• Hoods	23/06	• Nose filters
17/08	• Protective coverings for animals	25/00	<b>Devices for storing respiratory or breathing apparatus</b> [4]
18/00	<b>Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes</b> (A62B 17/00 takes precedence; anaesthetic masks A61M 16/06)	27/00	<b>Methods or devices for testing respiratory or breathing apparatus</b> (apparatus for testing gastightness in general G01M) [4]
18/02	• Masks (gas-masks for animals A62B 18/06; masks for welders A61F 9/06)	29/00	<b>Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents</b> (respiratory apparatus A62B 7/00; gasproof doors, windows, shutters E06B)
18/04	• Gas helmets	31/00	<b>Containers or portable cabins for affording breathing protection with devices for reconditioning the breathing air or for ventilating</b> (ventilation of gasproof shelters A62B 13/00; protective clothes or coverings A62B 17/00; treatment rooms for medical purposes A61G 10/00) [4]
18/06	• Gas masks for animals	33/00	<b>Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried person</b>
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	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</b> (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]
19/00	<b>Cartridges with absorbing substances for respiratory apparatus</b>	35/04	• incorporating energy absorbing means [4]
19/02	• with oxidising agents	99/00	<b>Subject matter not provided for in other groups of this subclass [2009.01]</b>